USAFETAC/DS-81/004

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DATA PROCESSING DIVISION **USAFETAC** Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

ANS TECHNICAL LIBRARY

MAUI OPPICAL SITE HI

NORTH TOWER

WBAN# OCCOTT AFB, IL 62225

PARTS: C, E-F

POR FROM HOURLY OBS: OCT 77-APR 80

" O NON 1380

MAUI OPTICAL SITE HI

SOUTH TOWER

MBAN# COOCS

PART C

POR FROM HOURLY OBS: OCT 77-APR 80

SEP 23 1980

FEDERAL BUILDING ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

WAYNE E. MCCOLLOM, Chief

Technical Information Section USAFETAC/TST

For the Commander

WALTER S. BURGMANN

AWS Scientific and Technical

Information Officer

1 3 FEB 1981

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

The company and to denote it is also it is a like measurement of from incomplete months.

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SLURAL CLIMATOLOGY SRANCH Under Tac Al Leather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

* JO 1	MAUI	OPTICA	SITE STATION	HI NO	PTH TO	der_	78-	<u>8 ′ i</u>	,	'EARS				A N MONTH
						ALL WE	ATHER						O O O	-0200
,		-				сом	DITION							
	SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		1.7	1.1	3.4	• 6	. 6						7.4	12.2
	NNE		1.7	1.1	3,4		1.1	• 6					8.	13.6
	NE		. 6	2,3	5.1	101							y•:	12.1
	ENE		• 6	5.1	8,7	1.1	• 6	• 5					15.9	12.9
	E			1.1	1.1	1							3.9	13.7
	ESE	• €		• 6	1.7								>.3	7.2
	SE		• 5	1.1									1.7	3.7
	SSE												1.1	00!
	\$			1.1	-6		_1.1_				ļ		3.4	16.3
	ssw	1.1	. 7	- 6									3.4	5.3
	SW		1.1	1.1	1.7	2.A	2.3	1.1	6				10.8	18.7
	WSW		1.1		1.7		_1.1_			ļ			5.1	13.0
	W	 	2.3		7.8								201	10.1
	WNW	ļ	: 7		2.3					ļ	ļ		4.5	11.4
	NW		1.7	2.8		- 5		1.1		ļ			3	11.9
	NNW		1.7	2.8	2.2		1.7	6					10.2	12.9
	VARBL					i				Ļ			 	 _

TOTAL NUMBER OF OBSERVATIONS 174

CLOSAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JAV
40414
1300-0500
HOURS (L.S.T.)
_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.3	• 6	• 6		•6	1.2	1.2				6.4	17.5
NNE	• 6	2.3	1.2	4.0		1.7						9.8	12.8
NE		1.2	3.5	4.6	1.2							1 '.4	11.4
ENE	• 5	1.2	1.7	5.2	3.5	1.7						13.9	13.9
ŧ		1.7	1.7		• 6	• 6						4.6	12.9
ESE		• 5	1.2									1.7	8.3
SE			1.7	. 6								2.3	2. :
SSE		1.2	• 6	1.2		.6						3.5	11.7
S		1.2		.6	• 6	• 6						2.9	13.6
SSW	•6	2.3	• 6	•6		.6						4.6	9.0
sw	.6	1.7		2.3	2.3	1.2						€.1	13.7
WSW		2.3	• 5	3.5	1.2	• 5	• 6					8.7	13.4
W				`•3		. 6						2.9	15.6
WNW	:.2	• 6	1.2	• 6	• 6	.6						4,6	9.8
NW	• 6	2.3	• 6	2.3	1.2							6.0	10.4
WNM		1.7	2.3	2.9	1.7							8.7	11.4
VARSL													
CALM		\geq	\geq	\geq	$\geq \leq$	\geq	\geq	$\geq <$	\geq	\geq	$\geq <$		
	4.:	22.5	17.3	31.2	12.7	9.7	1.7	1.2				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $_{
m JUL~64}^{
m FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

SLOFAL CLIMATOLOGY BRANCH L'ATETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ITATION	7401	OPITCAL	STATION	HAME	RIH 10	WER	VEARS							AN HONTH
						ALL WE	ATHER							-0800
						•	LASS						HOUR	S (L.S T.)
		_				CON	DITION							
:														
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 · 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ī	N	1.2	. 6	1.9	1.6	1.8	2.4	. 6	1.8				11.8	18.3
	NNE		. 6	1.8	3.5	- 6	. 6						6.5	12.3
[NE			2.4	3.0	. 6							5.9	12.2
[ENE		2.4	3.0	4.7	1.2	• 6	.6					12.4	12.4
	E		1.2	3.5	4 . 1	2.4	.6						11.8	13.1
[ESE			1.2									1.2	10.0
[SE		1.2	• 6				. 6					2.4	13.0
	SSE				1.2				.6	. &			2.4	26.5
ĺ	\$.6		1.8						2.4	21.5
	\$\$W			1.2	16	•.5							2.4	13.0
L	sw	1.8	1.2	1.8	3.6	2.4	1.8	. 6					13.0	13.4
[W\$W	5	2.4	1.2	1.2	1.2							6.5	9.3
[w	. 6	- 6	.6	1.8	. 6							4.1	14.7
l	WNW		1.2			. 6							1.8	1.1.3
1	NW	1.2	. 6	1.2	1.8	.6	- 6						5.9	10.7
ſ	NNW	5	1.8	3.0	2.4	1.3							9.5	14.9
-	VARBL													1
	CALM		> <	> <	$\supset <$	><	> <	><				$\supset \subset$		

TOTAL NUMBER OF OBSERVATIONS

GLOSAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

30	MAUL OPTICAL SITE HI	NORTH TOWER	78-8.		JAN
STATION	STATION NAM			YEARS	MONTK
		ALL W	EATHER		<u> 1900-1166 </u>
			CLASS		HOURS (L S.T.)
		6	ONDITION		
1					

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• '		2.11	2.4	• 6	• 6		• 6				7.1	13.8
NNE		• 5	1.2	2.9	2.4	1.2						8.2	15.2
NE		• 6	1.2	2.4	1.2	1.2						6.5	14.4
ENE	٠٤.	1.3	2.7	3.5		1.2	• 6					10.6	12.1
E	.6	• 4	1.2	4.7	1.2	1.2		<u> </u>				9.4	13.2
ESE	1		.6			.6						1.2	16.5
SE			8.1									1.8	9.3
SSE	• 6		1	.6								1.2	8.5
\$		1.8	. 6		• 6	•6]			3.5	11.2
SSW	. 6		1.2	.6	1.2	1.2						4.7	15.0
SW	.6	1.2	2.4	2.4	3.5							1:.0	12.6
WSW	2.4	1.2	• 5	2.9	1.2							9.2	9.1
w	1.9	1.2	1.2	1.8	1.2							7.1	9.0
WNW	.6		• 5	1.8								2.9	1 4
NW	1.2	• 6	4.7	2.9								9.4	9.1
NNW	.6	1.2	3.5	2.9								8.2	8.6
VARBL													
CALM			><		><	$\geq <$		$\geq <$	$\geq \leq$				
	.O.	12.6	25.9	31.8	12.9	7.6	6	. 5				103.0	11.8

TOTAL NUMBER OF OBSERVATIONS

SECHAL CLIMATOLOGY BRANCH WINTERFOR ATM WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	78-	<u>8.)</u>	 ,	EARS				AV
		, -				ALL WE	ATHER LASS							-1400 # (L s.T.)
	•					CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		6	2.2	1.7	• 6							5.0	16.9
	NNE		1.7	1.1	2.8	• 6							5.1	13
	NE		• 6	2.8	3.9	.6	. 6						8.4	12.2
	ENE		•6	2.2	7.3	1.1	1.7						12.8	13.7
	E		7.2	1.1	1.7	.6	1.1				l		5.7	12.3
	ESE		.6		1.7	1.1							3.4	13.5
	SE		• 6	1.7	.6								_2.8_	8.0
	SSE			1.1									1.1	10.0
	S			• 6		• 6		é		l			1.7	.2u . 7
	SSW				2.8								2.8	12.8
	SW	1.1	. 5	2.2	1.7	2.9	3.9	_ 6_					12.8	16.9
	wsw	.6	. 5	.6		. 5							2.2	3.8
	W	2.2	2.2	6_	2.8								7.8	7.4
	WNW	.6	2.8	1.7	2.2	-6		<u> </u>				<u> </u>	7.8	5.9
	NW	1 6	2.2	2.8	3.4	1.1.	6_		<u> </u>				10.6	10.6
	NNW		1.1	3.9	1.7	1.1							7.8	11.2
	VARBL	<u> </u>	<u> </u>							<u></u>	<u> </u>		1	<u> </u>
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			<u> </u>	
			14.3	30 (7/1	11 2	7 0	, ,						

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL+A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

201	MAUI OPTICAL SITE HI NORTH TOWER	73-80	JAN
ROITATE	STATION NAME	YEARS	HONTH
	ALL W	EATHER	1530-1700
		CLASS	HOURS (L.S.T.)
	6	ONDITION	
	•	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5		1.6	3.8	• 5							6.6	11.7
NNE		• 5	2.7	7.2	• 5							6.)	10.9
NE	3.	1.1	4.0	3.8	1.1							11.5	10.3
ENE		• 5	2.7	3.8	2.7	1.5						11.5	14.9
E			1.6	1.6	- 5	• 5						4.4	13.9
ESE				• 5	• 5		3.					1.0	76.3
SE	1.1	1.1		1.1		• 5						3.5	9.3
SSE		1.6		1.1								2.7	7.8
5		1.1	•5	1.1								2.7	9.0
SSW				2.7	• 5	• 5						3.8	16.4
SW		• 5	1.1	3.8	1.6	2.7						9.9	16.1
WSW	• 5		• 5		2.2							3.3	14.7
W	1.1	• 5	• 5	2.2	1.6							5	11.2
WNW	4.1	1.6	1.6	2.1	2.2							7.7	10.5
NW		2.7	4.4	4.4	1.1	• 5						13.2	16.9
NNW		2.2	• 5	1.6	• 5							4.9	9.2
VARBL													
CALM			><	><	$\geq \leq$	$\geq <$			$\geq <$				
	4.0	13.7	23.1	35.2	15.9	5,6	• 5					100.0	12.2

TOTAL	NUMBER	OF	OBSERVATIONS	18	2

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLEPAL CETMATOLOGY BRANCH GLAFETAC ATT WEATHER SERVICE/MAC

> NW NW NNW VARBL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TULL	OPTICAL	L SITE	HI NO	RTH TO	w <u>u</u> R	78-	8 ,		FEANS				AN
					ALL WE								-2000
					C	LA96						HOU	IS (L.S.T.)
					сон	DITION							
													
	!			,	<u> </u>	<u> </u>			r	,		1	<u></u>
SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N		• 5	.6	3.3	1.1	- 6						5.7	12.7
NNE		.6	1.1	1.7	2.8							5.1	13.5
NE			2,2	3.9	1.1							1.2	12.5
ENE	1.1	• 6	5.1	9.4	2,?							18.3	11.8
ŧ		• 6	2.2	3.3	1.1							7.2	12.1
ESE			• 6	.6								1.1	1.40
SE	.6			. 6	1.1					1		2.2	14.0
SSE	. 6		• 6									1.1	6.1
3	.6	1.7	1.7	1.1					·	1		5.0	7.7
SSW			. 6	.6	1.7							2.8	15.8
SW		• 6	1.1	3.3	2.8		1.1	. 6		T	T	2.4	17.5
	1				r				 			 	1

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC: Alm JEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	IUAM	OPTICAL	LSITE	HI NO	RTH TO	WER	R 78-83							AN
		_			·····	ALL WE	ATHEP							-2370 *(L\$T.)
						CON	KOIFIO							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		1.1	1.03.	1.1	1.7_							5.0	11.6
	NNE	• 6		1.1	3.9	•6							5.1	11.6
	NE		• 6	2.8	7.8	1.7	• 6						13.3	12.6
	ENE		• 5	6.1	5.6	• 6	l.i						13.9	11.8
	ŧ			1.7	3.3	• 6							5.6	11.7
	ESE						1.7						1.7	24.0
Ĺ	SE	• 5	1.1		•6	•6							2.8	9.8
E	SSE			1.1	• 6		• 6						2.2	14.0
	\$		• 5	2.2	• 6								3.3	8.3
	\$SW	• (-			1.1	• 6	. 6						2.8	14.6
	sw			1.1	3.9	2.8	2.2	• 6					11.6	17.7
[.	WSW	• 5	1.1	1.1	2.2	1.7							6.7	11.7
L	W		1.1	1.7	1.7	1.7							6.1	11.6
L	WNW	1.7	1.1	• 6	•6	•6	1.1				<u> </u>		5.6	10.9
L	NW		?•2	2.2	• 6	1.1	1.1			<u> </u>			7.2	12.6
L	NNW		2.7	1.1	2.8		1.1						7.2	12.2
L	VARBL									L	ļ,			<u> </u>
_	CALM	$\geq \leq$												

USAFETAC $_{
m NUL~64}^{
m FORM}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TOTAL NUMBER OF OBSERVATIONS

GLOFAL CLIMATOLOGY BRANCH CHAFETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

OC 1	MAUI	OPTICA	L SITE	HI NO	PTH TO	WER	78-	٤٠		EARS				AN
		_				ALL WE	ATHER						A	(L.8 T.)
;			COMPITION											
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED

SPEED (KNTS) DIR,	1 - 3	4 • 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	٥	1.4	2.3	• 2	. 6	. 2	ų				7	14.2
NNE	• 1	1.00	1.4	3.0	• 9	• 5	. 1					7.1	12.7
NE	•)	• 6	2.8	4.3	1.1	• 3						9.1	12.0
ENE	. 3	1.0	3.6	5.0	1.6	1.1	• ?					13.7	12.0
E	_ • 1	• 8	1.8	2.5	1.0	• 5						6.6	12.6
ESE	. 1	• !	• 5	.6	• 2	, 3	• 1					1.3	13.8
SE	• 3	• 6	• 9	. 4	. 2	• 1	• 1					2.5	10.5
SSE	• 1	• 5	. 4	.6		• 1		. 1	.1			1.9	12.3
\$. 1	. 8	• 9	6	. 3	_ •5	• 1					3.1	12.4
SSW	.4	• 5	• 5	1.1	.6	. 4						3.4	12.6
SW	2.	. 9	1.3	2.8	2.6	1.8	.5	. 1	·	1		10.6	15.9
WSW	.7	1.1	• 7	1.6	1.1	. 4	• 1		1			5.7	11.7
W	. ,	1.1	.6	2.1	7	. 4						5.7	11.0
WNW	. 6	1.4	. 9	1.2	•6	. 3	. 1		1	1		5.1	10.3
NW		1.6	2.7	2.3	1.1	- 4	.1					8.9	11.1
NNW	. 3	1.7	2.1	2.4	.8	. 4	.1		1	1		7.7	10.8
VAPBL								 	1	1		1	
CALM	\geq	\geq	\geq	\geq	\times	\times	\geq	\times	\times	\geq	\times		
	5.3	14.5	22.5	33.9	13.6	7.9	1.6					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS	14119
	14117

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLURAL CLIMATOLOGY BRANCH UNAFETAC AIN MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1, 7	MAUI OPTICAL SITE HI NORTH TOWER	78-63	FEB MOUTH
STATION			MOTIF
,	ALL	WEATHER	<u> 1998-9296</u>
		CLASS	HOURS (L.S T.)
		CONDITION	
1		***************************************	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	۰۲	• 5	1.5	1.7								3.4	8.1
NNE		1.5		1.5		, K				1		3.4	11.4
NE		1.0	1.0	1.0	1.	• 5						4.4	12.0
ENE		• 5	4.4	2.9	1.							3.8	11.6
E		• 5	2.3	2.9	• 5							6.8	14.3
ESE	• 5		2.9									3.4	7.7
SE		1.5	2.9	2.0	• 5,	2.4	• 5	i		1	 	9.8	13.7
SSE			• 5	1.5	2.	• 5	• 5	1.0		1		5.9	20.8
\$	1.	• 5			1."							2.4	13.0
SSW	• 5	1.1	• 5	1.0								2.9	8.2
SW		1.5	2.	3.4	1.5	2.7	• 5					10.7	14.9
wsw	. 5	• 5	1."	2.4	2.4	• 5	1.5	• 5				9.3	17.5
w		2.0	1.7	1.0					1	 	1	3.9	8.1
WNW		2.	2.9	3.9	• 5		• 5					7.8	11.2
NW		• 5	2.5	7.4	1.5	2.0	• 5	• 5			<u> </u>	10.2	16.5
NNW		• 5	2.5	2.0	• 5				1	1	1	4.9	11.1
VARBL				1					1		1	 	
CALM		\geq	\geq	\geq	\geq	\times	$\geq \leq$	\boxtimes	\geq	\geq	\geq		
	2.9	13.7	27.3	29.8	12.2	8.3	3.9	2.0				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 205

CLOBAL CLIMATOLOGY BRANCH CLAFETAC ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	VETTUR	STATION MANE TOWER 78-83											E B Nonth
+		ALL WEATHER											-175 (1
Ť	_	COMDITION											
,	<u></u>												
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		5	. 5	• 5						1		:.5	8.
NNE		• 5	1.3	1.0	•5							2.9	10.8
NE		• 5	2.4	5•0	1.~							5.9	11.4
ENE		1.7	• 5	1.0	3.4	• 5						0.3	14.5
E		• 5	2.4	2.0								4.9	9.
ESE	,	2.2	2.4	1.5					1			5.9	9.(
SE	• 5	2.9	1.0	1.0		2.0	1.0					9.3	13.8
SSE	• 5	• 5	1.5	1.5	1.	1.0	• 5	1.0				7.3	17.0
\$		1."	2.!	1.5	1."							5.4	11.2
SSW		3.1		• 5	1.	• 5	• 5					3.4	17.3
SW	- 5	• 5	2.	3,9	4.9	2.4						14.1	15.8
WSW		5	5	. 5	1.5	1.5						4.4	17.3
w	• 5	1.:	2.4	. 5	. 5	5						5.4	9.6
WNW	. 5	1.5	1.5	2.4	2.1			. 5				_ 8.3	12.9
NW	7 7	. 5	2.9	2.0	2.9	1.0	1.0					11.2	14.7
NNW	1.0	• 5	1.2	2.0	. 5							4.9	10.3
VARBL													1
CALM	$\supset \subset$	> <	> <	> <	> <	> <	> <	> <	> <	\sim	> <		

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $_{
m JUL~64}^{
m FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOGAL CLIMATOLOGY BRANCH USAFETAC, AIR JEATHER SERVICE/MAC

WSW

WNW

NW NNW VARBL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COL	2401	UPILCAL	. 2115	HT MO	KIH IU	WEH	18-	8.3					<u>+</u>	<u> </u>
STATION			STATION	MAME					,	TEARS				MONTH
						ALL WE	ATHER						36.30	-0800
							ASS						HOUR	IS (L S T.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N			2.4	2.4	• 5					 		5.2	12.5
	NNE	-5		1.4	.9		• 5						3.3	10.9
	NE		. 5	• 5		• 5				1	 		1.4	11.7
	ENE		1.0	3.8	3.3	1.4				1	1		10.4	15.7
	E	1		1.9	4.3	. 9	• ٢						7.6	13.9
	ESE			• 9	1	.5				<u> </u>			1.4	11.7
	SE		• 0	2 • 8	• 5	. 3		• 5		 	1		5.7	12.4
	SSE			• 5	1.9	1.7	• 9		• 5		1		5.7	18.5
	5		• 8	• 0	1.4	• 9	.9			1			504	14.3
	6514	1		. 6	1	1 . 4	· · · ·			1	1		7.0	17.0

				7.1	11.3
				13.7	14.9
				3.3	14.3
\leq	$\geq \leq$	$\geq \leq$	><		
. 9				100.0	13.5
	TOTAL NUA		211		

USAFETAC $_{
m NUL~64}^{
m FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

2.8

1.9

1.4

4.7

3.8

3.8

STOCAL CLIMATOLOGY PRANCH OFETAC ATT FFATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ACG1	MAUI OPTICAL	SITE HI!	NORTH TOWER	78-80	YEARS	 FES
		- <u> </u>	ALL I	CLASS		19 (() + 1 1 7 () HOURS (L.S.T.)
		······································		CONDITION		
						

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.	1.9	2.4								53	_9.8
NNE		1.7	1.4	• 5								2.9	8 • 2
Nľ.		3.1	2.4	1.0								4.3	8.7
BME		1.2	3.3	4.8	1.0							10.0	11.1
E		. 5	2.4	2.4	1.4	1.0						7.7	13.7
ESE			1.9	1.4	1.							4.3	11.5
SE			1.9	1.4	• 5		• 5					4.3	13.6
SSE			. 5	2.9	1.9	1.7	5					6.7	17.
5			• 5	• 5	1.4	1.7		1.7				4.3	23.
SSW		1.9	• 5	1.4	1.3	1.4	• 5					6.7	15.
SW		• 5	3.8	2.9	3.8	1.9	1.4	_ •5				14.8	16.
WSW	. 5	• 5	1.4	2.4	1.4							5.2	12.
w		2.4	1.11	• 5	. 5							5.3	7.
WNW		<u>. </u>	1.4		-5	1.4						3.8	15.
NW	1.4	• 5	3.3	2.4	1.0	1.4	• 5					11.5	13.
NNW		• 5	5	• 5	. 5							1.9	10.
VARBL									·	1			
CALM	> <	> <	> <	> <	> <	> <	> <	>	$\supset \subset$	> <			
	2.9	11	29.2	,7 7	16.7	7.1	3.3	1.4				100.0	1.3

TOTAL NUMBER OF OBSERVATIONS		209
		/ / / /

GLUPAL CLIMATOLOGY BRANCH ESAFETAC ATS WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ra01	MAUI OPTICAL SITE HI NORTH TOWER	78-82	FEB				
STATION	STATION NAME	YEARS	MONTH				
	ALL W	EATHER	1230-1400				
	CLASS						
		OF DITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 5	• 9	1.4	۵,							3.3	10.7
NNE	, E	1.9	2.3									4.7	6.3
NE	• 5	• 5	3.7	1.4								6.1	8.7
ENE	•5	• 5	2.3	1.9	• 3							0.1	19.5
E			1.9	1.9	• 9							4.7	12.5
ESE		• 5	• 9	1.4	• 9	• 5						4.2	13.3
SE		• 5	• 7	• 9	• 5	• 5						3.3	13.4
SSE			• 5	1.4	1.4	1.4	• 5	• 5				5.6	24.5
s	• 5	• 5	• 9	1.4	•5	• 5	• 5					4,7	13.8
SSW		• 3	• 5	1.9	•9							4.2	12.1
SW	• 0	1.4	2.3	1.9	2.8	• 5	2.3	.9				13.1	16.6
wsw		• 7	2.8	• 9	1.4	• 5	1.4					7.9	14.8
w	• 5	1.9	1.9	2.3	• 5	• 5						7.5	9.8
WNW	1.4	• 9	• 9	2.3								5.6	9.0
NW	. 9	3.3	2.3	1.9	• 0	2.3	1.9	• 5				14.9	14.7
NNW	• 5	1.4	1.9	• 5	• 5	• 5						5.1	10.3
VARBL													
CALM		$\geq <$	\geq	><	\geq	$\geq <$	$\geq \leq$	\geq	$\geq <$	\geq	> <		
	6.1	15.4	27.1	23.4	12.5	7.€	6.5	1.9				100.0	12.9

TOTAL NUMBER	R OF CESERVATIONS	214
		/ (4

USAFETAC $^{\rm FORM}_{\rm JUL~64}$ 0-8-5 (OL-A) previous editions of 1HIS form are obsolete

CLUBAL CLIMATOLOGY BRANCH L'AFETAC AIL REATHER SERVICE/MAC

> VARBL CALM

MAUI OPTICAL SITE HI NORTH TOWER

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ION			STATIO	NAME					1	TARR				MONTH
						ALL HE	ATHER							-1700
						CI	LA 96						HOUR	8 (L S.T.)
		-				сон	DITION	•						
		_												
SPE (KN Di	ITS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	4	. 5	• 5	1.4	2.8								5.2	10.5
Z	NE		1.4	٠ ئ	• 5								2.2	8.7
N.	E	• '7	• 9	2.8	1.4								5.1	5.8
43	16		1.9	3.8	3 • 3								2.9	9.0
(• 5	2.3	• 9	. 5	5						4.7	11.2
ES	SE		• 9	• 9	• 9								2.8	9.7
\$	E		• 5	٠٥	• 5_		• 5		- 5				2.8	15.5
\$5	SE	.5			1.9	1.0	1.4	٠, ۲	. 5		<u> </u>		5.6	19.6
	3			. 9	. 9	1.4							3.3	14.9
SS	w	. 5		• 9	1.4		. 5						3.3	12.0
51	w	. 7	• 9	2.3	2.8	3.3	2.3						12.7	14.3
W.	sw	• 5	. 9	1.9	1.9	• 9	. 5		. 5				7.0	13.1
V	v	• 5	1.9	2.8	3.3	?	. 5	5					10.3	11.8
Wh	4W	.5	1.7	4.2	2.8	1.9	• 5						11.7	10.9
N	w	ŗ	1.4	1.4	2.3_	. 9	1.9	, 0					2.4	14.9
NN	IW			5	- 9		. 9							15.2

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $_{
m AUL~64}^{
m FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PODI MAUI OPTICAL SITE HI NORTH TOWER 78-80	res
STATION STATION HAME TEADS	MONTH
ALL WEATHER	1800-2609
CLADS	HOURS (L.S.T.)
,	
COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥55	*	MEAN WIND SPEED
N		• 5	1.0	1.4	1.0							3.8	12.6
NNE		1.9	1.0	1.0	• 5	• 5						4.8	10.4
NE	• 5	• 5	1.0	3.3								5.2	10.6
ENE			5.7	2.9								8.6	9.4
ŧ	 	1.3	1.9	1.0	í							3.8	9.3
ESE			1.4	1.9	:.							4.3	13.3
SE	•5		1.0	2.4	.5	• 5						4.8	12.7
SSE		1.4	1.0	1.9	1.0	1.4						6.7	14.1
5	1.0	• 5	1.4	2.4	1.0				1	1		6.2	11.0
ssw		• 5		• 5	• 5	• 5						1.9	14.3
SW	• 3	1.4	1.9	1.9	1.9	2.9	• 5					11.0	15.7
WSW	1.7	1.0	1.0	3.3	1.9	• 5		1				7.6	11.8
w		• 5	1.9	1.4	2.4	1.0	.5					7.6	15.9
WNW	 		1.4	2.4	• 5	1.0						5.2	13.5
NW		• 5	2.4	5.7	1.9	2.4	1.6			1		13.8	15.7
NNW	1.7	1.0	1.0	1.4	• 5			T	1		i	4.8	9.3
VARBL	1					<u> </u>							
CALM		>	>	>	>	\times	>	\supset	\supset	>			
	4.3	12.5	24.8	34.8	13.3	10.5	1.9				,	100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

GLOSAL CLIMATOLOGY BRANCH ULAFETAC ALB MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUL OPTICAL SITE HI NORTH TOWER 78-80

	_				ALL WE	ATHER						2100	-230 8 (L.S.T.
					COM	IDITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MI WI SP
N		1.7	. 5	1.0	 				<u> </u>	<u> </u>		2.4	9
NNE		• 5	1.9	1.4				<u> </u>				3.8	9
NE		• 5	1.0	1.9	1.4							4.8	14
ENE		1.9	6.2	3.4	• 5					Ť		12.0	1
ŧ	1.)	• 5	2.4	2.9		• 5			ļ			7.2	11
ESE		1.071	1.9		• 5	• 5						3.8	1
SE		1.0	• 5	• 5	1.9	1.0						4.8	1
SSE		1.0	1.9		• 5			1.0				4.3	14
8	1.0		5	2.9	1.4	5						6.2	1:
SSW			1.7	1.0	• 5						I	2.9	1
sw		1.7	1.4	3.4	3.4	1.0						10.1	10
wsw		100	1.0	2.4	1.7	. 5						5.8	1
w		100	1.4		1.7	1.5	5					4.9	11
WNW		5	2.4	2.9	1.5	1.4						8.2	1
NW			4.3	2.9	1.0	1.9	1.9				L	12.0	16
NNW		1.4	• 5	4.3	.5							6.7	12
VARBL		J		1					I	I	,	11	T

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC' ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI O	PTICAL	SITE	I NORTI	+ TOWER	78-80		FEB	_
ROITATE			STATION N.	TH C			YEAPS	MONTH	_
					ALL	WEATHER		ALL	
•	1					CLAM		NOUSS (L.S.T.)	_
•						CONSITION			

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 • 27	20 - 33	34 - 40	41 - 47	49 · 55	≥56	*	MEAN WIND SPEED
N	• 1	• 5	1.3	1.6	•2							3.8	15.6
NNE	• !	1.1	1.3	•8	• 1	• 2						3.6	9.4
NE	• 2	• 7	1.9	1.5	• 5	• 1						4.8	10,6
ENE	• 3	1.1	3.8	2.9	1."	• 1						8.9	10.7
E	.!	• 4	2.3	2.3	•5	. 3						5.9	11.7
ESE	•1	• 5	1.7	• 9	• 5	1						3.8	10.9
SE	• 1	• 9	1.5	1.1	•6	. 13	• 3	• 1				5.4	13.8
SSE	.1	• 4	.8	1.6	1.4	1.0	• 3	•5				6.1	17.9
\$	• 11	• 4	• 9	1.4	1.1	• 14	• 1	•1				4.7	13.8
SSW	• 1	• 7	• 5	1.0	• 7	• 5	•2					3.6	14.2
5.W	• 4	1.1	2.3	3.1	3.3	1.3	• 9	•2				13.0	16.0
WSW	• 3	• 7	1.4	2.0	1.3	• 5	.4	•1	1	 		6.7	14.1
	• 3	1.6	1.8	1.1	• 7	. 4	• 2					6.1	11.0
WNW	• 4	1.1	2.0	2.5	.9	• 5	• 1	•1				7.5	12.0
NW	.7	1.0	2.5	3.0	1.9	1.9	1.0	•1		l		12.0	15.2
NNW	,3	• 7	1.0	1.7	.5	• 2				<u> </u>		4.2	11.5
VAREL		 											
CALM			$\supset \subset$	$\supset \subset$	\times	\boxtimes	\boxtimes	$\supset \subset$	\supset	\supset	> <		
	3.8		26.7	28.6	15.2	8.7	3.3	1.3				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 1675

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR KEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SAUL	OPTICA	STATIO:	HI NO	RIH TO	WER	<u> 78-</u>	79		FEA DS				AR
	-		-		ALL WE	ATHER						<u> </u>	
	· -				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥54	×	
N	1.1	.6	•6	2.3	. 6							5.1	I_1
NNE	.6		.6	.6	. 6							2.3	
NE	.6	3.4	3.4	4.0		1.1						12.5	1
ENE	.6	2.3	9.7	5.1	1.1	1.7			L			20.5	1
	.6	•6	2.3	4.0	4.5	1.7						13.6	1
ESE		. 6	.6	2.8	1.7	2.3						8.0	1
\$E	.6	.6	.6	1.1						<u> </u>		2.8	L
35€		1.1.1	6_						<u> </u>	<u> </u>		1.7	1_
3	<u> </u>	1.1.	- 6	<u> </u>			<u> </u>					2.3	╄-
SSW	1-1-1-	6	6	<u> </u>	6	1.1	1.1			ļ		_5.1	1
SW	 	. 6	ļ	-6			-6	6_	6_	ļ	ļ	3.4	12
WSW	4	1.1	ļ			1.1	- 6			 		2.8	11
	1 6	 	1-1-1	1.1	 		- 6		 			3.4	∤ ¹
WNW	1 6	- 6	- 6	- 6		\ <u></u>	 				 	2.3	╀
NW	1 6		1-1-1	1-1-1	2.3	 	 			 		5.1	 1
VARBL	+	1.7	1.7	4.5	1.1_	 	 		 		 	2.1	1
CALM	\supset	\sim				\sim	\sim	>	\sim				T
	7.4	14.8	23.0	27.8	12.5	9.7	2.8	. 6				100.0	Τ,

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ODD 1	MAUI OPTICAL SITE HI NORTH TOWER 78-79 STATION NAME YEARS	MAR
	ALL WEATHER	1300-0500
	CLASS	HOURS (L S.T.)
t	COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	•6	1.7	•6	•6							4.6	8.8
NNE		• 6	2.9		• 6							4.9	10.
NE		•8	2.3	3.5		• 6			[6.9	11.1
ENE		3.5	6.4	5.2	3.5	1.7						23.2	11.
E .	.6	• 6	2.3	4.6	2.3	1.7						12.1	13.
ESE	•6	2.9	1.7	2.3	1.7	2.9	• 6					12.7	15.
SE		• 6	3.5	.6		• 6						5.2	9.
SSE	• 5		.6									1.2	4.
\$.6											.6	2.
55W		• 6	1.2			1.2		1.7				4.6	22.
SW			•6			• 6	1.2					2.3	23.
WSW	• 6				•6	1.7						2.9	19.
w	1.7	• 6	.6		• 6	.6	• 6					4.6	11.
WNW	•6	1.2	.6	.6								2.9	7.
NW	1.2	1.2	•6	.6	2.9	•6						6.9	12.
NNW		•6	2.9	4.0	•6		<u> </u>					8.1	11.
VARBL													
CALM	$\supset <$	$\supset \subset$	$\supset \subset$	$\supset <$	$\supset \subset$		$\supset <$	$\supset \subset$	$\supset \subset$	$\supset <$			
	7.5	13.3	27.7	22.0	13.3	12.1	2.3	1.7				100.0	12.

TOTAL NUMBER OF OBSERVATIONS 173

GLORAL CLIMATOLOGY BRANCH USAFETAC: AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

					ALL WE	LASS						Hen 11001	PS
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 · 47	48 · 55	≥56	*	T
N	.6	1.2	2.9	4.0								8.7	T
NNE		1.2	2.3	2.3								5.8	T
NE	1.2		• 6	1.2	2.3	1.2						6.4	Ţ
ENE	1.2	1.7	2.9	5.2	1.7	1.7						14.5	
ŧ		4.0	6.9	3.5	1.7	- 6	.6					17.3	
ESE	,6	2.3	5.2	2.9	2.9	1.7						15.6	
ŞE	€,	6	2.3	.6	.6				<u></u>	<u> </u>		4.6	_
328		-	1.2								ļ	1.7	_
<u> </u>			6	ļ	L					<u> </u>		5	_
SSW	ļ			<u> </u>		-6	1.2	6_			 	2.3	_
SW	5			ļ			2.3		ļ	ļ		3.5	_
WSW						1.2	6_			ļ		2.9	_
W		1.2		L	6	6-		6		ļ		2.9	_
WNW	1.2	- 6		<u> </u>	1.7		ļ	 	ļ	 	 	3.5	_
NW	6	1.2	- 6	2.3	2.3				 	 	ļ	6.9	_
NNW			6	2.3		ļ		ļ		 		2.9	_
VARBL					k	_	-		k				_
CALM		\nearrow	><	><	><	$\geq \leq$	><	><	><		> <		

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

*

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI O	PTICAL	SITE	ΗI	NORTH	TOWER	78-79			MAR
STATION			STATION	HAME				YEARS		MENTH
				_	0900-1100					
	,		-	HOURS (L.S.T.)						
1							KOITIGNOS		-	
*										
,									•	

SPEED (KNTS) DIR,	1 - 3	4 • 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.7	•6	2.8	2.3	•6						9.7	11.5
NNE	• 5	1.1	1.7	.6	1.1							5.1	9.3
NE	• 6	2.8	2.3	1.7	2.8	.6						10.8	10.9
ENE	•6	1.1	3.4	2.8	1.1	1.7						10.8	12.7
Ę		1.7	1.7	6.8	1.1	.6						11.9	13.1
ESE		1.7	• 6	4.5	1.7	2.8						11.4	15.5
SE	• 6	• 6	1.7	.6	1.1	• 6						5.1	12.1
SSE	•6	1.1	1.7									3.4	5.3
\$.6		• 6		• 6		.6					2.3	14.5
55W			.6	• 6				1.1	•6	<u> </u>		2.8	29.2
\$W	•6					1.1	. 6	.6				2.8	24.8
WSW					1.1		.6					1.7	22.0
W	1.1			.6	L							1.7	6.3
WNW	3.4	1.1	• 6	1.7	<u> </u>	<u></u>						6.8	6.5
NW	1.7	• 6	2.3	2.3		1.7						8.5	12.1
NNW	2.3	1.7	•6		.6	L		i				5.1	6.2
VARBL									ļ				
CALM	$\geq \leq$	$\geq \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	\boxtimes	\geq	$\geq \leq$	><		
	14.2	15.3	18.2	25.0	13.6	9.7	1.7	1.7	.6			100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIG JEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	STATION NAME ALL WEATHER												
					ALL ME	HINER LAME						1200	-143 * (L #.T.)
		·			CON	BITION							
SPEED	1		1	<u> </u>	1	1				<u> </u>		1	MEA
(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIN SPE
N		6	. 6	1.7	2.2	. 6						5.6	14.
NNE		3.4	3.9	1.1								8.4	7.
NE			6.2	2.2	1.1	.6						10.1	11
ENE		1.7	1.1	2.8	3.4	1.7						10.7	14.
ŧ	.6	2.2	2.8	3.9	2.8	1.1						13.5	12
ESE	.6	1.1	1.7	2.8	-6	2.8						9.6	14
ŞE	.6		1.1			.6			<u> </u>			2.2	11
SSE	1.1.	1.7	1.1									3.9	5
\$.6		1.1			- 6						2.2	11
SSW		6		6	1	-6		.6	<u> </u>	<u> </u>		2.2	20
SW		- 6	.6	- 6			1.1	1.7	.6			5.1	26
WSW	.6	- 6	6									1.7	5
W	1.1.1	2.2	1.1		.6			<u> </u>	<u> </u>			5.1	6
WNW	1.7	6	1.1	1-1-1-	<u> </u>		6			<u> </u>		Sal	8
NW		2.8	1.1	2.2	-6	1.7		<u> </u>	<u> </u>			8.4	12
NNW	. 6	101	1.1	2.8	.6	<u> </u>				<u> </u>		6.2	10.
VARBL	<u> </u>	<u></u>	<u></u>		<u> </u>	<u> </u>	<u></u>	<u></u>	<u></u>	<u> </u>			<u> </u>
CALM	><	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$			
		I	T	Ī		T		T					

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOUL	KVAI	OPTICAL		HI NO	RIH 10	WEP	78-	80		MAR				
·		_				ALL WE	ATHER						1500 HOUS	-1700 * (L.S.Y.)
	,	 '				CON	DITION							
		1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		1.1	2.2	1.1	.6							5.0	9.2
	NNE		1.7	•6	2.2	• 6							5.0	10.0
	NE	• 6	1.1	7.3	1.7	1.1	.6						12.3	10.2
	ENE	•6	. • 6	2.8	2.2	2.2	1.1						9.5	13.0
	E	• 6		1.7	3.4	5.0	1.1						11.7	15.5
	ESE			• 6	1.7		2.8						5.0	19.6
	SE			1.7		•6			Ī				2.2	11.5
	SSE		1.7	1.1									2.8	6.6
	\$		• 6										• 6	4.3
	SSW		1.1		• 6		1.7				6		3.9	22.0
	SW	1.1	3.9	1.1	1.1			•6	1.7	• 6			10.1	15.1
	WSW	• 6	1.1						.6				2.2	12.0
	W	1.1	1.1										2.2	3.3
	WNW		2.2	1.1	1.1		.6		.6				5.6	12.1
	NW	1.1	2.8	• 6	3.4	1.1	1.1						10.1	11.2
	NNW	• 6	2.2	3.4	2.2	2.2	• 6					L	11.2	10.9
	VARBL													
	CALM	><						><	><	><		\sim	•6	

TOTAL NUMBER OF OBSERVATIONS 179

GLCPAL CLIMATOLOGY BRANCH USAFETAC: AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	OPTICA	L SITE		MAR NONTH									
					ALL WE	ATHER						1800	-200 (L.S.T.)
					COM	IDITION	· · · · · · · · · · · · · · · · · · ·						
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 · 47	48 · 55	≥56	*	MEA WIN SPEE
N	5	1.7	4.0	4.5	•6	. 6						11.9	11.
NNE		1.1	2.3	1.1								4.5	2
NE	.6		4.5	2.8		1.7						9.7	11
ENE		1.7	4.5	4.5	2.3	1.1						14.2	12
		1.1	2.3	4.0	2.3	3.4	L					13.1	15
383		• 6		1.1	1.7	. 6	<u> </u>				···········	4.0	16
SE	1.1	1.7		1.7		-6						5.1	9.
358	1.1		1.1	- 6			ļ					2.8	_6.
<u> </u>	-6	. 6	•6	 	 		<u> </u>	ļ	ļ			1.7	_5.
SSW	3.7	1.1			 	2.3	-6		 -	 		5.7	14
SW	1.7	•6	1.7	-6	<u> </u>	 	1.1	2.3		ļ		8.0	18
wsw w	1.7	1.1	 			 	6_	 				2.8	28
WNW	1.1		 	1.1		- 6	.6	 	 	 -		3.4	13
NW	1.7	1.1	3.4		2.3		• 2					8.5	10
NNW		. 6	-6	.6	.6	1.7		İ				4.0	17
VARBL			1			- ** -			 	t			
CALM	\times	\boxtimes	\geq	\geq	\times	\geq	\times	\geq	\geq		>>		
			35.0	22.3		12 5	2 0	2.7				100.0	,,

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

E CO 1	MAUL OPTICAL SITE HE NORTH TOWER	78-79	MAR
STATION	STATION MANE	YEARS	NONTH
		EATHER cuss	2160-2300 HOURS (L.S.Y.)
	,	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N		• 5		2.3	1.1	1.1						5.1	16.1
NNE		1.1	1.7	2.8								5.6	10.1
NE		1.1	2.8	2.8	• 6	1.7						9.0	12.8
ENE		2.3	6.2	6.2	2.8	• 6						18.1	11.9
ŧ		1.1	2.8	5.1	2.8	• 6	1.1					13.6	14.6
ESE		• 6	1.7	• 6	1.1	2.3	• 6					6.8	17.3
SE		1.1	1.1	1.7	1.1							5.1	12.1
SSE	• 6	1.1										1.7	4.0
S	•6	• 6										1.1	4.0
SSW		2.3	•6			1.1	1.1	.6				5.6	16.9
SW			1.1	.6		1.1	.6	1.1				4.5	21.8
WSW		• 6					• 6		- 6			1.7	24.7
w	• 6	1.1	• 6									2.3	5.0
WNW	1.7	• 6	• 6									2.8	4.4
NW	1.7	• 5	1.1	•6	3.4				-			7.3	11.9
NNW	1.1	3.4	1.7	1.1	2.3							9.6	9.9
VARBL												1	
CALM		\times	\boxtimes	\geq	\geq	\geq	\geq	\geq	\boxtimes	\boxtimes	\geq		
	6.2	18.1	22.5	23.7	15.3	8.5	4.0	1.7	.6			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COO1	MAUI OPTICAL	SITE HI NORTH TOW	ER 78-80	YEARS	MAR MONTH
		A	LL WEATHER	· /·	AL L
			CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 5	1.0	1.6	2.4	1.0	. 4						7.0	11.4
NNE		1.3	2.0	1.3	. 4							5.1	9.1
NE	• 4	1.1	3.7	2.5	1.9	1.0						7.7	11.
ENE	• '5	1.8	4.6	4.3	2.3	1.4						14.8	12.
E	. 3	1.4	2.8	4.4	2.8	1.3	.2					13.4	13.
ESE	• 2	1.2	1.5	2.3	1.4	2.3	•1					9.1	15.
SE	. 4	6	1.5	.8	-4	• 3						4.0	10.
SSE	.6	• 9	. 9	• 1								2.4	5.
\$. 4	. 4		- 1	• 1	.1					1.4	8.
SSW	.4	. 8	. 4	•2	1	1.1	• 5	.6	. 1	. 1		4 • D	20.
SW	.5	. 8	• 6	. 4		. 4	1.2	1.0	.2			5.0	20.
WSW	.2	• 6	.1		. 2	• 5	. 4	. 1	1	1		2.1	17.
w	1.0	. 9	. 4	12	.2	. 1	.1	. 1				3.1	8.
WNW	1.3	.0	6	. 8	• 2	. 1	- 1	- 1				4.7	8
NW	1.1	1.3	1.3	1.6	1.8	. 6						7.7	11.
NNW	.6	1.4	1.6	2.2	1.1	. 3						7.0	10.
VARBL									 				
CALM		\times	> <	>	> <	\times	\times	> <	> <	>	> <	• 1	
	8.5	16.3	24.0	23.5	12.9	9.9	2.6	1.8	. 4	.1		100.0	12.

TOTAL NUMBER OF OBSERVATIONS 1408

GLORAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

MAUI OPTICAL SITE HI NORTH TOWER 78-79

	-				con	DITION		· · · · · · · · · · · · · · · · · · ·				
SPEED	<u> </u>			Г						 		
(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*
N												
NNE		• 7	.7									1.5
NE			3.7	2.2								5.9
ENE	 	1.5	5.9	6.7	3.7	• 7	.7					19.3
ŧ			2.2	5.2	3.7	• 7						11.9
ESE		1.5	1.5	• 7	. 7							4.4
SE			• 7	2.2								3.0
SSE			• 7	3.0	• 7							4.4
\$			• 7		2.2	• 7	1.5	.7				5.9
SSW		• 7		3.7	3.7	1.5	. 7					10.4
SW		2.2	1.5	5.2	3.9							11.9
WSW	1.5	• 7	1.5		. 7	1.5						5.9
w	1.5		.7	2.2		. 7						5.2
WNW					• 7							. 7
NW	2.2	1.5	1.5	.7	. 7							6.7
NNW		1.5	1.5			I						3.0
VARBL												
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\supset <$	$\geq <$	\geq	$\supset <$	$\geq \leq$	$\geq \leq$		
			23.0	7	22.0							

GLORAL CLIMATOLOGY BRANCH USAFETAC A14 JEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SYATION	MAUI	MAUI OPTICAL SITE HI NORTH TOWER 78-79 STATION NAME ALL WEATHER												
		_				ALL WE	ATHER							-0500
						COM	BITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	. 7	1.5		. 7								3.0.	5.8
	NNE		• 7										7_	6.0
	NE	.7	1.5		1.5								3.7	7.8
	ENE		3.7	6.7	2.2	6.7	1.5						20.7	13.7
	E			2.2	4.4	3.7							9.6	13.5
	ESE			. 7		. 7							1.5	13.0
	SE	. 7	1.5		1.5	• 7							4.4	10.5
	SSE			1.5	3.7.			. 7		7			5.7	16.9
	3			• 7	1.5	1.5	<u> </u>	1.5					5.2	19.6
	SSW	• 7			1.5	304	2.2						8.1	19.3
	SW	2.2		2.2	5.2	3.0					<u> </u>	L	14.1	11.8
	wsw	 		3.0	1.5	7_							5.9	9.5
		1.5		.7	1.5	. 7	- 7	- 2		ļ		<u> </u>	5.9	13.9
	WNW	<u> </u>		-7			<u> </u>	<u> </u>		L		<u> </u>	1.5	5.0
	NW	7	1.5	1.7	<u> </u>	2.2				<u> </u>			5.2	11.1
	NNW			1.5	1.5	<u> </u>				<u> </u>			3.7	8.2
	VARBL		Ļ,	Ļ	L	Ļ	<u></u>		Ļ		Ļ	L		<u> </u>
	CALM		><	><	><	><	><	><	><	><	><	><		

TOTAL NUMBER OF OBSERVATIONS

GLOSAL CLIMATOLOGY BRANCH US AFETAC: ATR HEAT HER STRVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

D Q01	MAUI	OPTICAL	SITE	NORTH	TOWER	78-79	YEARO		APR MONTH
•				 	ALL	WEATHER CLASS		•	0600-080C
•		,		 	· · · · · · · · · · · · · · · · · · ·	CONDITION			
:								ı	

SPEED (KNTS) DIR.	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	2% - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 7	.7	1.5	1.5								4.5	8.5
NNE		• 7		.7								1.5	8.0
NE		2.2	5.2	3.0								10.4	8.6
ENE		1.5	6.7	2.2	3.7	2.2	1.5					17.9	14.7
_	. 7		• 7	3.7	1.5	1.5	.7			l		9.0	17.3
ESE	.7			.7								1.5	8.C
SE				• 7	2.2	• 7						3.7	19.€
SSE			1.5	1.5								3.0	11.0
\$				2.2	3.7	1.5		.7				8.2	19.€
SSW			• 7	• 7	1.5	2.2	• 7					6.0	19.9
SW	.7	• 7	3.0	1.5		3.7	.7					10.4	15.9
W\$W		2.2	.7	5.2	.7							9.0	11.0
W	1.5	• 7	1.5	7		2.2						6.7	12.9
WNW	. 7		• 7									1.5	6.0
NW			2.2									2.2	9.3
HWW	.7	• 7	2.2	• 7								4.5	8.3
YARBL													
CALM		$\geq \leq$	$\geq \leq$		$\geq \leq$	\times	\geq	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	6.7	9.7	26.9	25.4	13.4	14.2	3.7	.7				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 134

GLCBAL CLIMATOLOGY BRANCH USASETAC, AIN WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 78-79

	1				COR	MOLTIC						
	<u> </u>											
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*
N		. 8	1.6	1.6								3.
NNE	. 8			. 8								1.
NE		- 8	3.9	4.7								3.
ENE			3.1	7.3	2.3	1.6	.8					15.
ŧ		1.6	. 8	9.	1.6							4.
ESE	1.6	. 8		1.6	1.6							S.
SE			2.3	2.3								4.
SSE		. 8	. 8	1.6		8						3.
\$. 8	1.6	2.3	5.4		. 8					1G.
SSW		- 8		. 8	1.6	. 8	1.6					5.
SW	9.	1.6	2.3		2.3	1.6	. 8					9.
WSW		1.6	1.6	. 8								. 3.
W		. 8	3.1	. 8	1.6							6.
WNW	8	3.1	2.3	. 8		- 8						7.
NW	. 8	3.1	2.3									6.
NNW			1.6									1.
VARBL												
CALM							$\overline{}$				$\overline{}$	

GLOBAL CLIMATOLOGY BRANCH USAFETAC AJR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI OPTICAL	. SITE HI NORTH	TOWER	78-79		APR
HOITATE		STATION NAME			YEARS	MONTH
			ALL WEA	THER		1200-1400
			CIA	16		HOURS (L.S.T.)
			CONDI	TION		
			·····		***************************************	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	A1 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N			• 8	1.6								2.3	9.7
NNE	•8		3.1									3.9	6.6
NE		3.1	3.1		. 8							7.0	7.9
ENE		1.6	4.7	5.4								11.6	10.3
ŧ		• 8	2.3	2.3	1.6	2.3						9.3	15.2
ESE		2.5	.8		•8							3.9	9.2
SE		• 8	.8	2.3								3.9	9.4
SSE		• 8	2.3	5.4	•8							9.3	11.6
5		2.3		1.6		1.6		.8				6.2	16.4
SSW	.8	3.1	2.3	2.3	4.7							13.2	12.2
SW		• 8	1.6	2.3	1.6	1.6	8.					8.5	15.6
wsw			.8	1.6								2.3	12.3
w	1.6	3.9		1.6								7.3	5.6
WNW		1.6	1.6		1.6							4.7	11.0
NW	• 8	• 8		.8	• 8					T	1	3.1	9.8
NNW		1.5	1.6	.8								3.9	7.4
VARBL			1				1						
CALM	\times	\geq	\geq	\geq	\geq	\geq	\geq	\geq	$\geq <$	\boxtimes	\geq		
	3.9	23.3	25.6	27.9	12.4	5.4	.8	. 8				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC! ATR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TUD 1	MAUI	OPTICAL	SITE	HI NO	RTH TO	WER	78-	7.9		EARS				PR MONTH
						ALL WE	ATHER						1500	-1700 # (L.S.T.)
		. -				СОН	DITION							
	SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.8	2.3	1.6	. 8								5.4	6.6
	NNE		2.3	2.3	1.6								6.2	8.1
	NE		. 8	2.3	3.1								6.2	10.1
	ENE		• 8	• 8	l	.8							2.3	10.0
	E	• 8	. 8		4.7	3.1	1.6						10.9	15.3
	ESE	.8		3.1	.8								4.7	8.3
	SE	. 8		1.6									2.3	6.0
	SSE		• 3	2.3	1.6				.8				5.4	13.3
ľ	\$			4.7	1.6	1.6	. 8		. 8	. 8			10.1	16.5
	SSW			. 8	3.9		1.6	1.6					7.8	18.1
	sw			.8	1.6	3.9	3.9						10.1	18.7
	WSW	<u> </u>	1.6		.8								2.3	6.7
	w	1.6	2.3	. 8		8.							5.4	6.6
	WNW		3.1	3.9	. 8	<u> </u>							7.8	7.5
	NW		2.3	2.3	. 8	. 8							6.2	9.4
	NNW	1.6	1.6	1.6	2.3								7.0	7.8
	VARBL	<u> </u>			<u> </u>	<u></u>					<u></u>			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NW NW NNW

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

OG 1	MAUI	OPTICA	L SITE	HI NO	RTH TO	WEP	78-	79		EARS				PR
***************************************		_	VIII			ALL WE	ATHER							-2900
•						c	LASS						HOU	16 (L.S.T.)
		-				CON	IDITION							
														
	SPEED				T	<u> </u>	<u> </u>	<u> </u>	<u> </u>		1		I	MEAN
	(KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	WIND
	N	. 6	6.	• 8	2.3								4.6	8.3
	NNE	• 8	1.5	3.8		• 8							5.9	7.9
	NE		. 8	3.1	1.5	• 8							6.1	11.1
	ENE			8,4	5.3	1.5							15.3	11.2
	E			• 8	3.1	3.1	1.5						8.4	16.6
	ESE		.8	.8	• 8								2.3	10.3
	SE		.8	2.3									3.1	7.5
	SSE			1.5	• 8	. 8	. 8						3.8	15.6
	\$	1.5		1.5	• 8	• 8	• 8		.8				5.1	14.4
	SSW	.8	•3		1.5	3.1	3.8		.8				10.7	18.8
	SW		•8	. 8	3.1	3.1	3.8						11.5	17.9
	WSW		1.5	1.5	•8								3.8	7.6
	¥	1.5	1.5	1.5	1.5	. 8							4.0	6.2

TOTAL NUMBER OF OBSERVATIONS 131

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATP REATHER SERVICE/MAC

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		STATES	N NAME		411 05	ATUEO		1	rang .				- 7 7 C
					ALL WE	LASS			·····			21.30	B (L.S.1
						PITION							
								V _V					
SPEED (KNTS) DIR.	1 • 3	4 - 6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	ME WI SPI
N		1.6		. 8								2.3	7
NNE		2.3	1.6	. 8								4.7	7
NE			3.1	2.3								5.4	1.1
ENE			17.1	7.E	1.5	3.1						22.5	12
			.8	4,7	2.3	.8						8.5	13
ESE	.8		. 8		1.6	.8						3.9	14
SE		• 3	.8	2.3								3.9	10
SSE			9.	. 8	. 3						-	2.3	13
8	• 9	. 8		1.5	3.1	• 8	1.5					8.5	17
SSW	• 3			2.3	2.3			. 9				6.2	17
SW	. 8	. 8	3.9	1.5	3.9	1.6						12.4	13
WSW		. 8	3.9	3.1		1.6	1.6					10.9	14
w			1.6	. 8								2.3	11
WNW	R	. 8			. 8							2.3	8
NW			1.6	. 8	.3							3.1	12
NNW		. 8				ļ						. 3	5
VARBL		L									~		
CALM	\geq	$\geq \leq$	$>\!\!<$	$\geq \leq$	\leq	><							
	3.9	8.5	28.7	29.5	17.1	8.5	3.1	. 0				122.0	13

TOTAL NUMBER OF OBSERVATIONS

129

GLABAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2001	MAUI OPTICAL SITE HI NORTH TOWER	78-79	APR
STATION	STATION NAME	YEARS	MONTH
	ALL WEA	THER	ALL
	CLA CLA	16	HOURS (L.S.Y.)
	CONDI	TION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	1.)	• 8	1.1								3.2	7.7
NNE	• 3	1.7	1.4	• 5	• 1							3.3	7.7
NE	• 1	1.1	3.0	2.3	• 2							6.8	9.5
ENE		1.1	5 • 8	4.7	2.6	1.1	• 4				T	15.7	12.9
ŧ	• 3	• 4	1.2	3.6	2.5	1.0	• 1					9.0	15.2
ESE	• 5	• 7	1.0	• 6	• 7	• 1						3.4	10.2
SE	• 2	• 5	1.0	1.4	• 4	• 1						3.6	11.1
35E		. 3	1.4	2.3	• 4	• 2	• 1	• 1	• 1			4.9	13.6
5	• 3	• 5	1.1	1.4	2.3	• 8	.7	• 5	• 1			7.6	17.7
SSW	.4	• 7	• 5	2.1	2.5	1.5	• 7	• 2				8.5	17.4
SW	.6	1.3	2.0	2.6	2.6	2.1	• 3			}		11.0	14.9
W5W	• 2	1.1	1.6	1.7	• 3	. 4	• 2					5.5	11.2
W	1.1	1.1	1.2	1.1	• 5	• 5	• 1					5.7	10.2
WNW	. 4	1.0	1.4	.4	• 5	• 1						3.8	9.1
NW	1.0	1.2	1.4	. 4	• 7				i			4.7	8.4
мим	• 3	• 9	1.4	.7								3.2	7.7
VARBL									1				1
CALM	$\geq \leq$	$\geq \leq$	\geq	\geq	$\geq \leq$	\geq	\geq	$\geq \leq$	\geq	\geq	\geq		
	5.9	13.6	26.5	26.8	16.0	7.9	2.5	.8	•2			170.0	12.6

TOTAL NUMBER OF OBSERVATIONS 1951

GLOPAL CLIMATOLOSY BRANCH C'AFETAC AIR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAU1	OPIICA	STATIO	NAME.						EARS		······································	·11	MONTH
	_				ALL WE	ATHER		,	 			1000	-02
	-				CON	DITION							
	_							<u></u>					
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	Å
N	1.1	1.7	1.1	2.2								6.1	
NNE	.5	•6	3.9	3.9	1.7							10.6	1
NE		•6	1.7	2.2	1.1			. 6				6.1	T ₁
ENE		1.7	4.4	6.7	2.8	• 6	1.1					17.2	1
ŧ		1.1	1.7	2.2	2.2	1.1	.6			l		8.9	1
4 5 E		1.1		• 6	1.1	1.1						3.9	1
SE		. 6	• 6	2.8	2.2	. 6						6.7	1
SSE	.6	2.2	2.2	1.1								5.1	
	.6	1.1	•6		. 5							2.8	<u> </u>
SSW		1.7	2.2	1.7		<u> </u>						5.6	丄
SW	6_	1.1	-6	2.2	1.1	-6						6.1	1
WSW		6	- 6	1.7			ļ	<u> </u>				2.8	11
w	1.2	2.8				ļ				ļ		4.4	╀-
WNW	1.7	1.1	6	ļ								3.3	↓_
NW	1.1	2.2	6									3.9	_
HNW	1.1	1.1	1.7	- 6	1.1							5.6	-
VARBL										Ļ			Ļ.
CALM			·	\sim	ı 🗸		ı 🔨		· _ /			l	1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC HILLAS 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

10001	MAUI OPTICA	L SITE HI	NORTH TOWER	78-79			MAY
BYATION		STATION NAME		• • • • • • • • • • • • • • • • • • • •	YEARS	-	MONTH
	_		ALL WE	EATHER		,	300-0500
•	•			CLASS		_	HOURS (L.S.T.)
	-	······································		ONDITION			
			•	, mu(1) W M			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 6	• 6	2.2	3.9								7.3	10.4
NNE	.6	2.2	1.1	1.1								5.1	7.6
NE		• 6	2.2	3.4								6.2	10.4
ENE		iei	2.8	5.1	5.1	2.2						16.3	15.0
e			1.1	3.4	1.7	4.5	1.7					12.4	20.P
ESE			1.1		2.8							3.9	15.9
SE		2.2	•6	1.7	1.7	• 6						6.7	12.0
SSE		1.1	• 6	1.1				-				2.8	8.4
S		1.1	1.1	1.1								3.4	9.3
SSW	. 6	• 6	•6		• 6							2.2	8.0
SW		2.2	3.9	2.8	1.7	• 6						11.2	11.2
W\$W	1.7		2.2	•6								4.5	6.9
w	1.1	1.1	1.7									3.9	6.4
WNW	2.2	•6	2.8									5.6	5.5
NW	1.1	3.4	1.1									5.6	4.5
NNW	• 5			1.7	• 6							2.8	12.0
VAREL	1												
CALM		\geq	\geq	$\geq \leq$	\geq	\geq	> <	\geq	\geq	$\supset <$	\times		
	8.4	16.9	25.3	25.8	14.	7.9	1.7					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS	170
	178

GLOBAL CLIMATOLOGY BRANCH CSAFETAC ATE WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

MAUL OPTICAL SITE HI NORTH TOWER 78-79

					•	LASS						AGG	85 (L.S.T.)
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	6	. ^	1.1	3.9						 		6.1	11.4
NNE		1.7	3.4	1.7	•6							7.3	9.0
NE	• 5	2.2	1.7	•6								5 • C	6.9
ENE			3.4	3.4	•6	1.7	• 6					14.5	15.0
ŧ	• 5	1.1	1.7	2.2	4.5	1.7	1.7			1		13.4	17.1
ESE			1.1	1.1	•6	1.7			Ī			4.5	,
ŞE		. 6	1.1	2.8	1.7							6.1	13.5
SSE			1.1	.6	1.1							2.8	13.2
S		7.1	•6	1.1								2.8	9.7
SSW				• 6								.6	11.0
sw	1.7	1.7	. 6	2.8								6.7	8.7
WSW	1.7	• 6	2.2	1.7								6.1	7.5
w	1.7	1.7	2.2	.6								6.1	6.5
WNW	. 6	2.2	1.7	1.1								5.6	7.0
NW	2.8	4.5										7.3	3.9
NNW		1.7	• 6	2.8								5.3	10.4
VARBL													
CALM	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	\geq	\geq		><		
		1	T	T				T	1	T		1	1

GLOBAL CLIMATOLOGY BRANCH USAFETA? AIR "EATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0901	MAUI OPTICAL SITE HI NORTH TOWER	78-79	MAY
MOLTATE	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	2902-1100
		LASE	HOURS (L S.T.)
	col	MOTTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	• 5	• 6	• 5	•6	1.1							3.4	11.0
NNE	• 5	• 6	•6	•6								2.3	6.8
NE	•6	1.1	1.7	2.9					L			6.3	9.7
ENE			4.0	4.0	• 6	• 6	.6					9.7	12.9
E	. 6	1.1	2.3	4.6	1.7	2.9	2.3					15.4	16.8
ESE			1.1	1.1	1.7	•6						4.5	15.6
SE	• 6	1.1	•6	3.4								5.7	9.6
SSE		• 6	1.7	1.1	1.1			<u> </u>				4.6	11.1
\$	1.1	• 6	•6	2.3								4.6	9.3
SSW	1.7	1.7	•6		• 6							4.5	5.8
SW	• 6	2.3			•6			L			<u></u>	3.4	6.5
WSW	• 6	2.3	• 6	1.7					<u></u>			5.1	7.9
W		2.3	1.7									4.0	6.7
WNW	2.3	7.4	1.1									10.9	4.9
NW	1.1	2.3	3.4	•6				<u></u>				7.4	6.5
NNW	.6	2.3	1.1	2.3		1.7		<u></u>	<u> </u>	<u> </u>	<u> </u>	8.0	11.4
VARBL													
CALM	$\geq \leq$	\geq	$\geq \leq$										
	10.5	26.3	21.7	25.1	7.4	5.7	2.9					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS		175
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GLOSAL CLIMATOLOGY BRANCH USAFETAC ATP REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SYATION	RAUL	OPILCAL	STATION	HAME	RIH TO	WER		79		TEA RS			- <u></u> M	MONTH
						ALL WE	ATHER							-1488 s (L.S.T.)
i	,	 				CON	DITION	·						
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
]	N	1.1	2.9	1.1									5.2	5.7
[NNE		1.7	1.7	1.7								5.2	1.8
[NE			2.3	1.1	.6							4.0	11.0
[ENE	• 6	3.4	1.7	2.3	.6	2.9						11.5	12.3
ſ	ŧ		1.7		2.3	•6	1.1	1.1	1.1				8.0	19.3
	ESE	1.1	•6	1.1	• 6	•6	. 6						4.6	10.6
	ŞE		1.7	4.0	1.7								7.5	8.6
1	SSE		1.1	1.1	1.1								3.4	8.6
- 1	\$	1.1	1.1	.6	2.9			<u> </u>			<u> </u>	<u> </u>	5.7	8.C
- 1	ssw	•6	• 6	.6	1.7	.6					<u> </u>		4.0	9.7
l	SW	•6	1.1	2.9	1.7					L			6.3	3.7
Į	WSW	.6	• 6	1.1	<u> </u>	<u> </u>					<u> </u>	<u> </u>	2.3	6.3
ļ		-6	3,4	4.0	1.7						<u> </u>	ļ	9.8	7.8
- 1	WNW		4.0	6.3	6_	ļ			ļ	ļ	<u> </u>		12.1	6.8
ļ	NW		2.9	1.7	-6	<u> </u>		ļ			ļ		5.7	5.7
ļ	NNW		1.1	6_	2.9	ļ			<u></u>	ļ	ļ		4.5	9.5
- 1	VARBL			<u></u>	ļ		Ļ	Ļ	Ļ	Ļ.,	ļ		ļ	ļ
- 1	CALM	><	><	><	><	><	><	><	><	><	> <	><	ľ	Ì

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC Alr Weather Service/Mac

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	78-	79					М	AY
HOLYATE			STATIO	M HAME						reams				MONTH
	:					ALL WE	ATHER						1500	-1700
		-				c	LASS							8 (L.S.T.)
		-				COM	CITION							
	•	_												
	•	-												
												····		
	SPEED		ļ	ļ	ļ	[Į			Į.				MEAN
	(KNTS) DIR.	1 . 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	WIND
	ļ		ļ		 	ļ					 			ļ
	N N	•6	 _		1.2	•6				<u> </u>	 		2.3	11.3
	NNE	ļ	1.2	2.3	1.2	ļ	<u> </u>						4.6	8.8
	NE	 		1.7	3.5	1.7	ļ				<u> </u>		6.9	12.9
	ENÉ	• 6	1.2	4.0	4.6	2.3	• 6						13.3	11.6
	EE	1	1.7	1.7	1.2	1.7		1.7	<u></u>		<u> </u>		8.1	15.6
	ESE	İ		1.2	1.7	2.3				<u></u>		<u> </u>	5.2	14.9
	SE		1.2	1.7		• 6	1.2						4.6	11.9
	SSE	• 6	1.7	2.9	.6								5.8	7.0
	S	1.2	1.2	• 6	•6								3.5	6.2
	SSW		1.2	1.2	.6								2.9	7.4
	sw		• 6	3.5	1.2	• 5							5.8	10.1
	WSW		3.5	1.2	•6								5.2	6.1
	w	1.2	5.2	3.5									3.8	5.7
	WNW	•6	1.7	2.9	1.2								6.4	7.5
	NW		• 6	4.6	2.3	•6							8.1	9.6
	NNW	.6	1.2	4.17	1.7								7.5	8.7
	VARSL	1		1		1								
	CALM													
		\vdash	$\leftarrow \rightarrow$	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow	\leftarrow		\leftarrow	\rightleftharpoons		
	i	1 4 7	22 0	27 0	22.0	100 0]	1	1	I	1000	0.0

GLOPAL CLIMATOLOGY BRANCH URAFETAC AIR WEATHER SERVICE/MAC

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SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COD1	MAUI	OPTICAL	SITE	HI NO	RTH TO	WER	78-	79	 ;	EARS				A Y
		_				ALL WE	ATHER LASS						1800 Hove	-2000 • (L\$T)
						сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	24 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		• 6	• 6	.6	1.7	. 6						4.1	15.4
	NNE	.6	• 6	.6	3.5								5.2	10.6
	NE	.6		1.2	2.9								4.7	10.5
	ENE	•6	2.3	5.2	7.6	4.1	1.2				1		20.9	:2.5
			• 6	1.7	1.2	•6	. 6	2.3	.6				7.6	19.5
	ESE	•6		1.2	1.7	1.2	.6						5.2	13.7
	\$E	1.2	2.3	1	1.7	• 6	1.7						7.6	12.0
	SSE	• 6	2.3		1.7	. 6							5.2	8.2
	\$	1.2	• 6	. 6	1.2								3.5	6.8
	SSW	1.2	1.2		1.2								3.5	7.0
	sw	.6	_ •6	2.3	.6		[4.1	7.3
	WSW		• 6	1.3	.6								2.3	9.3
	W	4.7	1.7	1.7									8.1	4.3
	WNW	2.3	1.7	1.2	.6	.6							6.4	6.8
	NW	2.3	1.2	2.3	3.5								9.3	8.3
	NNW			.6	1.2	. 6				l			2.3	14.0
	VARBL													
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
		u ·		l .									!!	1

GLORAL CLIMATOLOGY BRANCH USAFETAC; ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DO01	IUAM	OPTICA	L SITE		RTH TO	WER	78-	79		EA2S			M	A Y
		-				ALL WE	ATHER			· · · · · · · · · · · · · · · · · · ·			2130- HOUR	-2300 • (Cs.t.)
;		-				сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		• 6	1.1		1.1	1.7						4.6	16.1
	NNE	• 5	1.7	4.3	2.9	1.1							10.3	13.3
	NE		• 6	4.6	2.3	1.1							8.6	10.9
	ENE		• 6	6.3	4 • G	4.6	1.1	• 6					17.2	14.0
	ę	1.7	1.1	1.7	•6	2.3	1.1	1.7					10.3	14.5
ļ	ESE	1.1	• 6	•6	• 6	1.1	• 6						4.6	12.3
	SE	• 6	1.7		1.7		1.7						5.7	13.9
	SSE	1.1	1.1	2.3	2.9	1.1							8.6	10.2
	\$		1.1	• 6	•6						ļ		2.3	7.8
	ssw	• 6	.6	2.3	.6					<u> </u>			4.0	8.1
	SW	. 6	1.7	1.7	1.7								5.7	7.9
	WSW	ļ	• 6		<u> </u>	<u> </u>					ļ			4.0
	w	.6	1.1	1.1						<u> </u>	<u> </u>		2.9	5.8
	WNW	<u> </u>	L	<u></u>	<u> </u>	• 6				ļ			-6	17.0
	NW	1.7	1.7	2.3	2.3								8.0	7.8
	NNW	1.1	• 6	• 6	3.4						ļ	<u> </u>	5.7	10.1
	VARSL	Ļ	Ļ	Ļ	Ļ					Ļ,	Ļ			
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
			l		l	l	۱	l		1	1	1 1	l	1

TOTAL NUMBER OF OBSERVATIONS 174

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH ISAFETAC ATP WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ATION	TORE	OPILLA	STATIO	HAME	KIN IU	HLI.			•	TEARS				MONTH
						ALL WE								LL.
						c	LABS						HOUI	IS (L.S.T.)
		_				COX	IDITION							
		_												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN VIND SPEED
	N	•6	• 9	1.0	: • 6	• 6	. 3						4.9	12.9
	NNE	. u	1.3	2.2	2.1	. 4							6.3	9.5
	NE	• 2	•6	2.1	2.3	•6			• 1				6.3	19.9
	ENE	• 2	1.3	€ 4	5.3	2.6	3.4	. 4					15.1	13.5
	E	.4	1.1	1.5	2,2	1.9	1.6	1.6	• 2				10.5	17.2
	ESE	. 4	• 3	• 9	• 9	1.4	.6						4.6	14.3
	ŞE	. 3	1.4	1.1	2.0	• 9	. 7						5.3	12.0
	SSE	. 4	1.3	1.5	1.3	. 5							4.9	9.0
	5	• 6	1.1	•6	1.2	.1							3.6	8.1
	SSW	. 5	. 9	• 9	. 8	,2							3.4	8.0
	sw	.6	1.4	1.9	1.6	.5	-1						6.2	9.5
	wsw	.6	1.1	1.1	. 9	<u> </u>	<u> </u>	<u> </u>					3.6	7.5
	w	1.4	2.4	2.0	.3								5.1	6.0
	WNW	1.4	2.3	2.1	. 4								6.3	6.3
	NW	3.4	2.3	2.^	1.1	1							6.9	6.8
	NNW	.5	1.^	1.1	2.1	• 3	• 2						5.2	16.3
	VARBL													
	CALM		$\geq \leq$	><	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			
		7												

USAFETAC $\frac{\text{form}}{\text{JUL 64}}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

9001	MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	78-	79					j	UN
STATION	,		STATIO	N HAME			-			YEARS				MONTH
						ALL WE	ATHER						3000	-0200
							LASS						HOUR	8 (L.S.T.)
	,	•												
	,					COI	DITION							
		_												
		,												
	SPEED		\											MEAN
	(KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND
		ļ		<u> </u>									ļ	
	N	• 3	 	3.5		ļ	ļ				ļ		1.7	6.0
	NNE	8.	. 8	2.5	 		ļ	ļ				ļ	4.2	6.8
	NE	• 9	1.7	. 8	8.3	1.7				 	ļ	ļ	13.3	11.8
	ENE	<u> </u>	1.7	9.2	6.7	5.0	5.€	.8					28.3	15.3
		 	2.5	2.5	6.7	3.3	2.5	.8		ļ. <u></u>	ļ <u>-</u>		18.3	14.9
	ESE	• 8	2.5	• 8	1.7	3.3	. 8				<u> </u>		10.0	12.4
	25	• 8	1.7	3.3	3.3	.8				ļ	ļ <u> </u>		10.0	10.0
	SSE	<u> </u>	. 8		ļ					<u> </u>			.8	5.0
	<u> </u>	• 8	1.7		<u> </u>					ļ			2.5	3.7
	ssw		2.5										2.5	4.0
	sw		• 8										. 8	5.0
	WSW	4.2											4.2	1.8
	w	. 8											. 8	3.0
	WNW													
	NW													
	NNW		. 8	1.7					T			<u> </u>	2.5	6.3
	VARBL													
	CALM													
			$\leftarrow -$						\leftarrow		\leftarrow	\vdash		
	1	1110	1	28 7	24 3	1 10 2			1	i .	}	1		1

TOTAL NUMBER OF OBSERVATIONS 120

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MAUI	OPTICA	SITE	HI NO	RTH TO	WER	78-	79		YEARS		·		UN MONTH
		_				ALL WE	ATHER	·)300 HOVE	-0500
		-				COM	DITION							
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	. 8	2.5	. 8							ļ		4.2	6.2
	NNE	1.7	2.5	1.7	.8								6.7	6.6
	NE	8.	1.7		5.9	1.7					T		10.1	11.8
	ENE		3.4	5.€	5.0	6.7	1.7						21.8	13.1
	Ę			2.5	8.4	6.7	1.7	1.7					21.0	16.9
	ESE	1		1.7	1.7	2.5	.8	. 8					7.6	17.2
	38		. 8	1.7	2.5								5.0	10.7
	SSE	1.7		2,5									4.2	6.8
	\$. 8	1.7										2.5	3.7
	SSW	.8	. 8	9.									2.5	4.3
	SW	.8	2.5										3.4	4.0
	WSW		1.7						L			L	1.7	5.0
	W	3.4											3.4	3.0
	WNW	. 8	8.							L		<u> </u>	1.7	3.5
	NW	1.7	. 8		<u> </u>								2.5	3.0
	NNW	. 8	. 8								L		1.7	4.0
	VARSL	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L				<u> </u>			<u></u>	
	CALM		$\geq \leq$	$\geq \leq$		$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$				
	ļ	1	l	1	ı	1	i .	İ		I	ĺ	ĺ	H	1

TOTAL NUMBER OF OBSERVATIONS 119

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI	OPTICAL	L SITE	HI NO	RTH TO	WER	78-	79					<u> </u>	UN
STATION	ı		STATION			ALL WE	ATHER			/EARS			3600	-0800 -0800 (Ls.T.)
						сон	IDITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N		1.7	1.7									3.3	6.5
	NNE	.8	3.3	1.7	1.7								7.5	7.1
	NE	1.7	3.3	8.3	1.7	2.5							17.5	9.4
	ENE		3.3	1.7	9.2	3.3	2.5						20.0	13.4
	E		• 8		5.3	8.3	2.5						16.7	17.0
	ESE		1.7	1.7	1.7	4.2	1.7						10.8	15.1
	SE	.8	1.7	• 8	1.7								5.0	7.2
	SSE	2.5	1.7										4.2	3.8
	\$	1.7											1.7	2.5
	SSW	.8	. 8										1.7	4.0
	sw		• 8	1.7									2.5	6.7
	WSW	• 8	• 8										1.7	3.0
	W	• 8											• 8	3.C
	WNW	1.7	• 8							L			2.5	3.0
	NW	1.7	1.7						<u> </u>				3.3	3.8
	NNW		• 8										. 8	5.0
	VARBL													
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><		
									İ					

TOTAL NUMBER OF OBSERVATIONS

CLOBAL CLIMATOLOCY BRANCH GRANCETAG.
AIT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	<u> 78-</u>	79	 ,	YEARS				UN
		<u></u>			ALL KE	ATHER				_		<u>0900</u>	-1100 * (L.E.T.)
	-				COM	DITION							
SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED
N		. 9	1.7									2.5	6.7
NNE		1.7	2.6	1.7	• 9							6.8	9.3
ME		2.6	6.11	5.D	2.6							17.1	10.9
ENE		1.7	6.€	4.3	2.6	1.7						16.2	12.7
ŧ	,)	9	6.8	4.3	5.1	4.3						72.2	14.3
ESE		٠,	. 9	3.4	3.4	1.7						10.3	16.2
38					• 9							• 9	18.0
SSE	1.7	. 9										2.6	3.3
				ļ									ļ
SSW	.9								<u> </u>			. 9	3.0
SW		1.7	.9	<u> </u>			<u> </u>	 				2.6	7.0
WSW				<u> </u>			ļ		 				ļ
w	1.7	- 9					ļ	ļ				2.6	2.7
WNW	1.7	. 9	1.7	ļ			ļ	ļ				4.3	4.8
NW	-9	4.3	1.7	 	ļ				ļ			6.8	5.5
NNW	1.7	.9	1.7						<u> </u>			4.3	5.4
VARBL			<u></u>	<u></u>				<u> </u>					
CALM				1	· >		\sim	ı 🗸	\sim			l.	Į.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USACETAC APP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 78-79

	_	·			ALL WE	ATHER						1200 HOVE) -] 85 (L
	,,				COM	IDITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥56	*	
Z		1.7	3.5									5.2	T
NNE		2.5	2.6	• 9								6.1	1
NE		2.6	8.7	• 9	1.7	• 9						14.8	
ENE		• 9	7.0	8.7	1.7							13.3	
Ę	• 9	• 9	3.5	4.3	1.7							11.3	
ESE			3.5	6.1	2.6	• ?						13.C	
SE	1.7	1.7			• 9							4.3	Τ
SSE		• 9	• 9									1.7	Ι
S													L
SSW			o.									. 9	Ι
SW	• 9			<u> </u>			L					. 9	L
WSW	. 9	• 9										1.7	
w	7	3.5	• 9						<u> </u>			5.1	
WNW	• 5	2.6	• 9							<u> </u>		4.3	L
NW	1.7	2.6	2.6						ļ	<u> </u>		7.0	L
NNW		2.6	1.7		l				<u> </u>			4.3	Ļ
VARBL				L									L
CALM	\sim	\sim											

TOTAL NUMBER OF OBSERVATIONS 115

GLEMAL CLIMATOLOGY BRANCH L'AFLTAC ATR LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

101 MAUI	OPTICA	L SITE	HI NO	RTH TO	HER	78-	79	 ,	EARS			الحــــ .	HONTH
	_				ALL WE	ATHER	· · · · · · · · · · · · · · · · · · ·						-1705 • (L. 1. 7.)
	-				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 5	. 8	. 9									2.5	4.7
NNE		. 8	2.5									3.3	7.8
NE		. 8	6.6	5.0								12.4	10.6
ENE		4.1	9.1	11.6	. 8							25.6	10.1
ŧ		3.3	1.7	9.1	2.5	4.1						20.7	14.4
ESE		. 8	. 8	1.7	1.7	, 8						5.8	15.0
SE	.]	• 8	. 8									1.7	7.C
SSE	<u> </u>												
ssw	. 8	<u> </u>	<u> </u>	<u> </u>	L					<u> </u>		8_	3.0
sw	<u> </u>	1.7						<u> </u>				1.7	5.5
WSW	. 8	3.3	<u> </u>									4.1	4.2
<u> w</u>	.8	2.5	. 8		ļ		<u> </u>	<u> </u>		<u> </u>		4.1	5.4
WNW	2.5	8.	3.3	<u> </u>	ļ		ļ					6.5	5.3
NW	. 8	2.5	1.7	<u> </u>	ļ		L		<u></u>			5.0	6.0
NNW	• 8	• 8	4.1	ļ								5.8	6.4
VARSL	<u> </u>	Ļ	L	Ļ	Ļ,	L,		L					
CALM	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$		

TOTAL NUMBER OF OBSERVATIONS 121

SLOBAL CLIMATOLOGY BRANCH USAFETAC, AIR WEATHER SERVICE/MAC

0501

MAUI OPTICAL SITE HI NORTH TOWER

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1		STATION	HAME					,	YEARS				MONTH
	1			· <u> </u>	ALL WE	ATHER						1860	-2000
1						M39						NOV	ED (6,0.1.)
					CON	KOITIGI							
	_												
	п				т	,			γ	T		т	
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.8	1.6										2.4	4.3
NNE		4.7	1.6	2.4								8.1	8.0
NE	į.	2.4	4 • C	7.3	. 8							14.5	10.9
ENE	• 9	5.6	8.9	9.7	1.6	• 9	.8					28.2	10.8
E	. 8		3,2	7.3	6.5	2.4	1.5					21.8	15.6
ESE			1.6	• 8	1.6	1.6						5 • 6	16.7
SE	.8	1.6	1.6	.8								4.9	7.5
SSE		• 8	. 8									1.6	5.5
5		. 8										. 8	4.0
SSW	1.6											1.6	2.5
sw	2.4											2.4	2.3
WSW										L			
W	. 8	1.6						<u> </u>				2.4	4.3
WNW		1.5	8.						<u> </u>			2.4	5.3
NW								<u> </u>		<u> </u>			
NNW		1.6	1.6	<u> </u>	<u></u>							3.2	6.3
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 124

USAFETAC $\frac{\text{FORM}}{\text{JUL-64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH USAFETAC ATO WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	78-	79		YEARS				UN
				 	ALL WE	ATHER						2100	-2303
					-	LASS						NOU	IS (L.S.T.)
	-				CON	DITION							
													
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.4	8.	8								4.1	7.0
NNE	. 8	2.4		1.6								9.9	6.8
NE		1.6	7.3	3.3		æ						13.3	14.9
ENE			9.8	13.8	6.5	2.4						32.5	13.5
		.8	2.4	5.7	1.6	2.4						13.0	14.7
ESE		2.4	1.6	3.3	2.4	1.6						11.4	13.5
SE		2.4	1.5	1.6	2.4							8.1	11.1
SSE		.8										.8	4.0
\$	1.6											1.6	2.0
SSW	2.4											2.4	3.0
SW	1.6											1.6	2.0
WSW								<u> </u>					
W													
WNW	2.4								I			2.4	2.3
NW	1.6	.8										2.4	2.3
NNW		• 3	. 8									1.6	6.5
VARBL													
	 								 	\			

TOTAL NUMBER OF OBSERVATIONS

GLUPAL CLIMATOLOGY BRANCH USAFETAC ATS WEATHER SERVICE/MAC

WNW

NW NNW

CALM

 \mathbf{e}

C

1.6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	IUAM	OPTICAL	SITE	HI NO	RT4 TO	WER	78-	79					J	UN
STATION			STATIO	N MAME						FEARS				MONTH
						ALL WE								LL_
	•					C	LASS						HOUR	IS (L S.T.)
														
						COM	DITION							
											·			
	SPEED (KNTS)	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN
	DIR.	'	4.0	7.10	11.10	17 . 21	22 . 27	20 - 33	34 - 40	****	46 . 33		1 ~	SPEED
	N	."	1.5	1.3	• 1								3.2	5.1
	NNE	1	2.3	1.9	1.1	•1					 		5.7	7.6
	NE	•4	2.1	5.2	4.8	1.4	• 2						14.1	13.8
	ENE	• 1	2.6	7.1	8.7	3.5	1.8	• 2					24.0	12.6
	ŧ	• 3	1.1	2.8	6.4	4.5	2.5	• 5					18.1	15.1
	ESE	• 1	1.0	1.6	2.5	2.7	1.3	• 1					9.3	14.7
	SE	.5	1.4	1.3	1.3	•6							5.J	9.4
	SSE	• 7	• 7	• 5									2.0	5.2
	S	•6	• 5										1.1	3.2
	SSW	• 0	• 5	• 2									1.7	3.8
	1	7		7		į.	ŧ		1	1	I	1	م د اا	

TOTAL NUMBER OF OBSERVATIONS	050

GLOBAL CLIMATOLOGY BRANCH CTAFETAC

ACT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

IUAM	OPTICA	L SITE	HI NO	RTH TO	WER	<u> 78-</u>	79		YEARS				MONTH
	_				ALL WE	ATHER						<u>១១០០</u>	-0200 ** (L S.T.)
	-				coı	NDITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.2	1.2									2.4	6.8
NNE	.6	1.8	1.8	•6		1.2	.6					5.6	12.5
NE	1.8	2.4	5.4	3.0	2.4					1		15.1	9.8
ENE	1.2	1.8	9.13	8.4	4.2	1.8	•6					27.1	12.5
Ę		1.2	4.2	0.6	6.6	6.0			_	——	<u> </u>	77.7	15.8
ESE				3.0	1.2						· · · · · · · · · · · · · · · · · · ·	4.2	15.7
SE	•6		.6	1.2	1.2							3.6	12.3
SSE		.6	,	1.2	• 5						-	2.4	11.8
\$. 5		.6					<u> </u>	†		1.2	10.5
SSW		•6								1		. 6	4.0
SW			. 6									.6	7.5
wsw	,6											. 6	3.0
w	, 6	1.8	•6									3.7	5.4
WNW		• 6	.6									1.2	8.7
NW			.6							Ĭ		6	7.0
NNW		1.2	1.2	• 6								3.0	8.
VARSL													
CALM	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	$\geq <$	\geq	> <		
		17 (05.0							1			

TOTAL NUMBER OF OBSERVATIONS 166

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLCBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2001	MAUI OPTICAL	SITE HI	NORTH TOWE	R 78-79		JUL
STATION		STATION HAME			YEARS	MONTH
			AL	L WEATHER		<u> </u>
	,		,	CLASS		HOURS (L S.T.)
	<u> </u>			CONDITION		
				COMPITION		
1						

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N			1.8									1.3	8.0
NNE	٠,٨	1.8	. 6		1.2	٥.						4.8	13.9
NE		• 6	3.1	5.4	1.2	1.2						11.4	13.5
ENE	•6	4 . 7.	12.7	17.8	4.8	• 6						33.7	11.3
E			4.2	7.8	4.2	5.4	• 6					?2.3	10.4
ESE		• 6	1.2	3.6	3.6	• 6						9.6	14.9
SE				1.8							1	1.8	11.7
SSE	• 5		•6	1.2	•6							3.0	12.4
S					• 5				T	1		•6	18.0
SSW									-				
\$W	• 6											•6	3.0
WSW													
W		1.8										1.8	5.0
WNW	• 5	1.8	.6						 			3.0	4.4
NW	•6	1.8	1.2						1			3.6	5.5
NNW		• 6	1.2		i			i			 	1.8	7.3
VARBL											<u> </u>	1	
CALM	$\supset \subset$	><					><	><					
	3.6	13.3	27.1	3 . 7	16.3	8.4	.6					106.0	12.4

TOTAL NUMBER OF OBSERVATIONS	156
	130

GLOPAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICEZMAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	<u> </u>	UF TILM	STATIO	R HAME	AIR IV	ACR		1.7		YEARS				MONTH
		. –				ALL WE	ATHER						1600	-0800
						•								
		-				COI	IDITION							
					-									
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		1.2	1.2			1						2.5	7.0
	NNE	. 8	1.9	1.2	•6								4.3	6.9
	NE		1.3	9.3	3.1	3.1	1.2						18.5	11.7
	ENE		4.3	7.4	12.3	4.9	1.2						30.2	11.8
	ŧ		. 6	1.9	7.4	6.8	3.7	1.2					21.6	17.3
	ESE	• 6	1.2		.6		.6	• 6					3.7	13.5
	SE		1.2	• 6		2.5	. 6						4.9	15.3
	SSE			1.2	1.9								3.1	12.2
	3	. 6	. 6				<u> </u>						1.2	4.5
	SSW	• 6		1.2	ļ <u> </u>						ļ	<u> </u>	1.9	6.0
	5W	J		<u> </u>					ļ	ļ			ļ	
	WSW	 	• 6			ļ	<u> </u>			ļ	<u> </u>		.6	4.0
	w	 			<u> </u>		 			ļ	ļ	<u> </u>	 	
	WNW	E_	2.5		ļ	ļ	ļ				ļ	ļ	3.1	4.0
	NW	 	- 5	.6					ļ		<u> </u>		1.2	6.5
	NNW	<u>•6</u>	• 6	1.2	-6	ļ	ļ		ļ	<u> </u>	<u> </u>		3.1	8.2
	VARBL									<u> </u>			 	
	CALM	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	1	1	I	I	1	1	1	1		1	1	1	II.	1

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2601	MAUI OPTICA		NORTH TOWER	78-79		JUL
STATION		STATION NAME			YEARS	MONTH
	_		ALL	WEATHER		<u> </u>
				CLASS		HOURS (L.S.Y.)
·						
*	•			CONDITION		
,						
	-	···				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.5	• 6	.6								3.7	7.3
NNE		. 5	5.6	•6								6.8	8 • 2
NE		1.2	7.4	4.3	1.0	1.2						16.0	12.2
ENE		1.9	5.6	5.6	4.3	1.9						19.1	13.4
E		•6	5.6	4.9	4.9	4.9		1.2			!	22.2	16.5
ESE		.6	1.2	1.2	1.2	• 6						4.9	12.9
SE	.5	1.9	1.2	•6	1.2							5.6	9.3
SSE				1.2	•6							1.9	14.7
S		• 6			·							• 6	5.0
SSW	• 5	1.2										1.9	4.3
sw		1.2										1.2	4.5
wsw				<u> </u>								1	
w	1.2	.6	.6									2.5	4.3
WNW		1.9	•6									2.5	5.3
NW	3.1	1.2	1.2					i				5.6	4.3
NNW	• 6	2.5	1.2	1.2	ļ				1			5.6	6.9
VARBL			1	T					1				1
CALM	> <	\supset	\supset	\supset	\supset	\supset	$\supset \subset$	\supset	\supset	\supset	> <		
	6.2	18.5	30.9	20.4	14.2	8.6		1.2				100.0	11.5

TOTAL NUMBER OF	OBSERVATIONS	162	

GLCBAL CLIMATOLOGY BRANCH - SAFETAC AL MEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUAM	OPTICA	SITE	HI NO	RT4 TO	WER	73-	79		YEARS	· · · · · · · · · · · · · · · · · · ·			HONTH
	_				ALL WE	ATHER				_		1250	-1470 (L.S.T.)
					сон	DITION							
SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	• 6	1.3	1.3	.6								3.8	6.7
NNE	. 6	4.4	3.1	•6								8.8	6.3
NE	•6	3.8	5.7	5.0	3.8							18.9	10.9
ENE		• 6	5.0	17.1	1.0	1.9	• 6	1.3				21.4	15.3
ŧ		1.3	3.1	5,0	1.9	1.9	•6					13.8	14.0
ESE		1.3	• 6	1.3	1.3	1.9						6.3	14.9
ŞĒ	.8	• 6	3,1	1.9	1.3							7.5	10.6
388		• 6										• 6	4.0
\$		•6	• 6									1.3	6.5
SSW	•6											• 6	2.0
SW		. 6										. 6	4.0
WSW	•6	1.3										1.9	4.0
w		1.3										1.3	4.0
WNW	2.5	. 6	. 6									3.8	4.5
NW	1.3	1.9	1.9	.6	•6							6.3	7.3
NNW	• 6	1.9	.6									3.1	4.8
VARBL													
CALM	$\supset <$	$\supset \subset$	> <	$\supset <$	> <	> <	> <			$\supset \subset$	><		

SECBAL CLIMATOLOGY BRANCH USAFETAC ATT **EATHER SERVICE/MAC

WNW

NNW VAR8L

AND STATION STATION NAME TOWER 78-79

1.2

2.4

1.2

1.8

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_		····		ALL WE	ATHER						15.00 HOU	-17
					cor	NOITION							
SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	W Si
N		• 5	2.4									3.G	
NNE		1.2	5.5	3.0	 		1		T -			9.7	
NE	1.2	3.6	6.1	9.1	4.2							24.2	1
ENE	1.2	2.4	2.4	6.7	4.8	1.8	.6					50.0	1
ŧ	•6	• 6	4.2	7.3	1.2	1.2		.6		6		16.4	1
ESE			1.8	2.4	.6		.6					5.5	1
SE				1.2								1.2	1
SSE	• 5	• 6	• 6									1.8	
\$.6											• 6	
\$\$W	. 6											• 6	
5W		1.2										1.2	
WSW					T	1	1	I	1			1	

TOTAL NUMBER OF OBSERVATIONS 165

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USACETAC AIR HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 78-79

	-				ALL HE	ATHER LASS						1870 MOV	1 - 2 1 - 2
					CON	IDITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	
N		2	.6	<u> </u>								1.8	+
NNE		2.4	2.4	1.2	• 5							6.7	T
NE		1.8	5.5	13.3	2.4							23.0	
ENE		2.4	7.3	7.9	3.	1.2	1.8				w	23.6	T
E		1.8	7.9	6.1	1.2	3.0	1.2					21.2	
ESE		• 6	1.2	3.0				.6				5.5	I
SE	, 5											.6	T
SSE													Τ
\$	• 6		• 6	.6	. 5							2.4	Ι
ssw													Ι
sw			. 6	<u> </u>								.6	
WSW	•6	•6	.6									1.8	Ι
w			• 6									.6	
WNW	1.8			ļ			ļ					1.8	\perp
NW	- • 6	2.4	1.2	3.0		<u> </u>						7.3	\perp
NNW	• 6	1.2	1.2									3.0	
VARSL				Ļ,				,					
CALM						i 🔨						1	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $_{\rm JUL~64}^{\rm FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

CLCBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

9901 ,	MAUI OPTICAL SITE HI NORTH TOWER	78-79	JUL
STATION	STATION NAME	YEARS	MONTH
	ALL WE	EATHER	2120-2308
		CLASS	HOURS (L S.T.)
	•		
		SWELTION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.2	.6	1.2	<u> </u>							3.7	8.8
NNE		2.4		•6		• 6						3.6	9.7
NE		3.12	9.5	17.7	1.2	1.2						25.4	11.4
ENE	• b	1.2	7.7	15.4	3.0	4.1						32.0	13.1
E		• 6	4.1	5.9	2.4	4.1						17.2	15.3
ESE		•6	1.2	1.8	1.2	• 6	1.2	•6				7.1	18.5
SE			•6									• 6	7.7
SSE				1.2					!			1.2	14.5
5				.6								• 6	16.0
\$SW													
\$W			1.2									1.2	7.5
wsw	• 5	• 6										1.2	4.5
W		• 6										• 5	4.7
WNW			• 6									•6	7.0
NW			3]							3.0	8.8
NNW		•6	1.8	• 6								3.0	8 • 2
VARBL													
CALM		><	$\geq <$	><	><	><	$>\!\!<$	><	$\triangleright <$	$\supset <$	><		
	1.2	1).7	37.2	37.9	7.7	13.7	1.2	,6			Farming on Table	100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 169

GLOFAL CLIMATOLOGY BRANCH JOAFLIAC, AIT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1001	NAUI	OPTICAL	SITE		PTH TO	WER	78-	79		EAR				UL.
STATION	,		314,104			ALL WE							A	LL
						CI	LASS						HOUR	8 (L.S.T.)
					-	CON	BITION							
		_												
		,											 	
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	, 1	1.1	1.2	• 3								2.7	7.4
	NNE	٠ ٦	2.1	2.5	• 9	•?	• 3	• 1					6.4	9.3
	NE	٠,	2.3	6.5	6.8	2.5	• 6						19.1	11.6
	ENE	• 5	2.4	7.2	9.7	3.9	1.8	• 5	• 2				26.0	12.9
	ŧ	.1	• 8	4.4	6.8	3.7	3.8	• 5	• 2		• 1		20.3	15.5
	ESE	.1	• 5	۶ و	2.1	1.1	• 5	• 3	• 2				5.9	15.1

ŧ	• 1	• 8	4.4	6.8	3.7	3.8	• 5	• 2		•1		20.3	15.5
ESE	.1	• 5	۶۰	2.1	1.1	• 5	. 3	• 2				5.9	15.1
SE	. 3	• 5	• 8	. 8	.8	• 1						3.2	11.3
SSE	•?	• 2	• 3	• 8	• 2							1.8	11.4
\$	• 2	• 3	• 2	• 2	• ?							1.1	9.1
SSW	• 7	• 2	•2									• 7	4.4
SW	• 1	. 4	• 3									• 8	5.4
wsw	• 3	• 4	• 1									• 8	4.4
W	• 3	• 7	.4									1.6	5.1
WNW	. 8	1.2	. 7									2.7	4.9
WW	. R	1.2	1.2	•6	• 1							4.0	6.6
WHM	• ₹	1.2	1.3	. 4								3.2	6.9
VARBL													
CALM	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	5.	15.8	28.0	29.5	12.6	7.2	1.3	.5		.1		100.0	11.8
									TOTAL NU	ABER OF OBS	SERVATIONS		1 21 //

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC: AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

rr81	MAUL OPTICAL SITE HI NORTH TOWER	73-79	AUG
BOITATE	STATION NAME	YEARS	MONTH
	ALL WE	EATHER	<u> 20050-0200</u>
	а	CLASS	HOURS (L.S.T.)
	;	PROITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.1	1.1									2.2	6.3
NNE	1.1	1.6	2.2	• 5								5.5	6.4
NE	2.1	4.4	6.6	4.9	3.8	• 5						21.4	10.4
ENE		2.2	7.1	8.8	1.5	1.6						21.4	12.1
E		2.2	2.2	8.8	1.6	2.2	• 5	• 5				19.1	15.€
ESE	1.1	2.7	3.8	1.6	1.6	1.6						12.6	11.1
SE		1.6	2.2	• 5	• 5							4.9	5.6
SSE	1.6	1.6	1.1					T				4.4	5.0
\$	• 5											• 5	3.5
\$SW	.5	•5	1.1	• 5				T		1		2.7	7.C
SW	1.1					I						1.1	2.0
WSW	• 5											• 5	3.7
w	• 5			1.6		1						2.2	13
WNW	• 5	• 5										11	_3.5
NW		• 5	• 5									1.1	7.0
NNW												1	
VARBL												1	
CALM		\boxtimes	\supset	$\supset \subset$	$\supset \subset$	\boxtimes	> <	\supset	\boxtimes	$\supset <$	\times		
	8.8	19.2	28.	27.5	9.3	6	. 5	• 5				100.0	10.6

OTAL	NUMBER	OF	OBSERVATIONS	1 8 2	,

GL. AL CLIMATOLOGY BRANCH C'AFETAC ATP REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MAUI OPTICAL	SITE HI NOR	TH TOWER	78-79	YEARS	AUG
			ALL W	EATHER CLASS		3300-F500 HOURS (L.S.T.)
			•	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	٥.		• 6	1.7								2.8	9.4
NNE	• 5	2.2	1.7	1.1								5.5	7.1
NE	. 6	1.7	8.8	5.0	1.7	• 6						15.2	15.8
ENE	.6	2.2	6.6	7.7	3.0	2.7					• 6	23.8	15.6
E		1.1	5.€	1.7	2.2	1.7	• 6					12.2	13.6
ESE		3.3	•6	3.3	1.7		1.1					9.9	12.7
SE		1.7	3.3	1.1			• 6					6.6	9.8
SSE	1.7	• 6	•6									2.8	4.6
\$.6		1.7				i					2.2	5.8
SSW	• 6			• 6								1.1	7.0
sw	2.8			•6	• ó							3.9	6.4
wsw	. 6	• 6		.6								1.7	6.3
w	2.2		• 6	• 6							i	3.3	5.3
WNW	1.1	1.7										2.8	4.3
NW			• 6									3.	7.0
NNW	1.7	1.1										2.3	3.0
VARSL													
CALM		$\triangleright <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\triangleright <$					><		
	13.3	15.7	29.8	23.8	9.9	4.4	2.2				.6	120.0	11.0

TOTAL	NUMBER	O F	OBSERVATIONS	 18	1
				 	_

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

J001	MAUI OPTICAL SITE HI NORTH	TOWER 78-79		AUG
MOITATE	STATION NAME		YEARS	MONTH
		ALL WEATHER		1600-0800
		CLASS		HOURS (L.S.T.)
		CONDITION		
1				

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	• 5	2.2	• 5								3.8	7.7
NNE	•	3.8	2.7	• 5								7.7	6.9
NE	I	3.3	3.8	8.2	1.6		• 5					17.5	11.5
ENE		2.2	8.2	1.1.9	1.6	2.2						25.1	12.6
Ę	1.1	1.1	1.1	3.3	2.2	• 5	1.1		1			10.4	14.0
ESE	1.1	2.7	• 5	1.1	1.1	1.6	• 5		 			8.7	12.5
SE	1.6	2.2	1.1	1.1	1.1	• 5						7.7	9.5
SSE	1.6	• 5										2.2	2.8
S	.5	.5										1.1	3.5
SSW	• 5	• 5										1.1	3.0
SW		1.6	1.1	1.1	• 5							4.4	8.9
WSW	1.1			• 5		[1.6	5.7
W	3.3	• 5		• 5								4.4	3.8
WNW	1.1	• 5										1.6	4.0
NW	1.5	• 5	• 5									2.7	3.6
NNW													
VARBL			1										
CALM			$\supset <$	\geq	$\geq <$			$\supset <$	$\supset <$				
	14.9	23.8	21.3	27.9	8.2	4.9	2.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

GLOPAL CLIMATOLOGY BRANCH C ACLTAC ALP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100c	MAUI	OPTICAL	SITE STATION	HI NO	RTH	TOWER		78-	79	 ,	TEARS		,		UG
1						ALL		ATHER						2900 HOUR	-1100 (6.8.7.)
	COMPITION														
												- 			
	SPEED														MEAN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	A1 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.8	1.7									4.5	6.4
NN.	1	3.4	4.0	1.1								9.7	7.7
NE		2.3	6.8	6.2	2.8	• 6	. 6					19.3	12.0
ENE	•6	1.7	2.3	4.0	4.7	2.8	• 5					13.9	15.3
ŧ	د •	1.1	1.1	2.3	3.4							8 • 5	13.1
ESE		• 6		2.8	• 6	1.1						5.1	15.2
SE	• 6	•6	1.1	1.7	• 6	6	1.1	•6				6.8	16.4
SSE		2.8	1.1									4.0	5.6
\$	1.7	1.1	• 6									3.4	4.5
SSW		1.1										1.1	4.C
sw		1.1										1.1	4.5
wsw_	1.7	1.1	1.1									4.0	4.7
₩	1.1	1.7	• 6	1.1								4.5	7.0
WNW	1.1	1.1										2.3	3.0
NW	2.1	3.4	• 6	.6								5.7	5.1
NNW		1.7	2.3							i		4 • Ci	5.3
VARBL													
CALM	$\geq \leq$	\geq	$\geq <$	$\geq \leq$	\geq	\geq	\geq	\geq	\geq	$\geq <$	$\supset <$		
	9.7	27.8	23.3	19.9	11.4	5.1	2.3	. 6				193.0	10.3

TOTAL NUMBER OF OBSERVATIONS 176

USAFETAC FORM $_{\text{AUL 64}}$ 0-8-5 (OL-A) previous editions of this form are obsolete

CLCPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PE O 1	MAUI	OPTICA		HI NO	RTH TO	WER	79-	79		rears				UG HONTH
		_			.,	ALL WE	ATHER							-1400 s (Lat.)
		- -				cox	KOITION							
ſ	SPEED (KNTS)	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	• 6	3.4	•6								5.1	7.3
NNE	1.1	2 • 3	4.7	2.3								9.6	7.7
NE		• 6	5 • 1	5.6	2.8	2.3	• 6					16.9	13.9
ENE		1.1	2.8	6.2	3.4	.6						14.1	13.9
E		• 6	4.73	1.1	1.7	1.7		• 6				9.6	14.6
ESE	1.1	1.1		1.7				•6				4.5	10.9
SE		1.7	1.7	1.1	1.1		• 6					5.2	11.5
SSE		1.1	1.1									2.3	6.C
5	.6		•6			•6		T				1.7	12.3
SSW	•6	•6	• 6									1.7	5.0
sw		2.3	• 6									2.8	5.6
WSW	2.3	•6	.6	•6		<u> </u>						4.0	5.C
W	2.3	1.7		•6						ļ		4.5	4.8
WNW	1.1	4.5	1.7	• 5								7.9	5.6
NW		1.1	2.3									3.4	7.3
NNW	2.3	1.7	1.7									5.6	5.4
VARBL			l		1								
CALM		$\geq \leq$	\times	$\geq \leq$	\boxtimes	\geq	\geq	\boxtimes	\geq	\geq			
	11.0	21.5	29.9	2 ~ . 3	9.1	5.1	1.2	1.1				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 177

USAFETAC $_{_{\mathrm{JUL}}}^{\mathrm{FORM}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH C ATLIAC AIR MEATHER SERVICE/MAC

NW

NNW

CALM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

001	. MAUI	OPTICAL	SITE	HI NO	RTH TO	WER	78-	79						US
STATION			STATION	I NAME			4		,	EARS				MONTH
		-				ALL WE	ATHER							-1700 B (LST.)
	,						LA PO						NOVE	» (L 8.1.)
						COM	DITION							
						•								
	SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.6	1.7	2.3	1.7	<u> </u>							6.2	7.9
	NNE	•6	1.7	4.5	1.1								7.9	7.6
	NE	•6	5.1	4.1	1.7	1.1	1.1						13.6	10.0
	ENE		4.5	5.6	5.1	4.5	.6	• 6		·			29.9	12.7
	ŧ	1.7	•6	1.7	2.8	1.7	3.4		•6		 		12.4	15.5
	ESE		1.1	1.7	.6	•6		• 6					4.5	11.5
	SE		2.8	1.7					•6			 -	5.1	10.2
	SSE		1.1	1.1	1.1	1.1	• 6						5.1	12.2
	\$		1.1	• 6			.6						2.3	10.8
	SSW		2.3										2.3	4.8
	5W	. 6	• 6										1.1	3.0
	WSW	1.7	1.1										2.8	3.2
	w	. 6	1.1	•6									2.3	5.3
	WNW	. 6	2.8	• 6									4.0	4.7

TOTAL NUMBER OF OBSERVATIONS		_177	
	 	 _ • []	

5.1 4.5 7.2

GLOPAL CLIMATOLOGY BRANCH OCAFETAC ATT AEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CJ 01	MAUI OPTICA	AL SITE HI NOF	RTH TOWER	78-79		AUG
STATION	,	STATION NAME			YEARS	MONTH
			ALL WE	ATHER		1830-2300
	-			LASS		HOURS (L.S T.)
	-		co	HOITION		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.5	2.7	1.6	•5								5.5	6.6
NNE		1.1	3.3	• 5							[4.9	7.7
NE	• 5	2.2	6.0	4.9	1.1	• 5	• 5					15.9	11.1
ENE	• 5	• 5	7.7	11.0	4.4	1.1	• 5					25.8	13.0
Ę	 	• 5	7.1	3.8	1.1	2.2	2.2	• 5				17.6	15.7
ESE	• 5	• 5	1.6	• 5			• 5	1.1				4.7	17.1
SE		1.1	2.2	1.1	• 5							4.9	9.6
SSE	• 5		1.1									1.6	5.7
\$	• 5	• 5	• 5	• 5								2.2	7
SSW	1.1		1.1									2.2	4 . 8
_SW	! • 1	• 5	1.1									2.7	4.6
wsw	1.1		• 5	• 5								2.2	6.8
w	• c		• 5									1.1	1.5
WNW	1.6	1.1	• 5									3.3	4.3
NW	1.1	• 5	1.1	• 5								3.3	6.5
NNW		• 5	• 5	• 5								1.6	8.7
VARBL													
CALM						$\supset <$	><	><	$\supset <$	$\geq <$	><		
	9.9	12.1	36.8	24.7	7.1	3.8	3.8	1.6				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 182

USAFETAC $_{\mathrm{JUL}}^{\mathrm{FORM}}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLUPAL CLIMATOLOGY BRANCH L'ALETAC AIT MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SUU1 STATION	MAUI OPTICAL	SITE HI NORTH	TOWER	78-79	YEARS	 AUS
	<u> </u>		2100-2300 HOURS (LS T.)			
	'		СОИВ	ITION		

SPEED (KNTS) DIR	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	. 6	2.2	1.1	•6								4.4	6.5
NNE		1.7	1.7	1.7	•6							5.5	9.6
NE		1.7	5.6	5.5	1.1	1.7	. 6					17.1	12.6
ENE		1.1	7.7	12.2	5.7	1.1						27.1	13.1
ŧ	•6	1.1	2.2	6.6	3.3	2.8	.5	i				17.1	15.5
ESE	• 6		.6	1.7	•6	2.8						5.1	17.8
SE	1.1	1.7	2.2	1.7								6.6	7.3
SSE		2.8	2.2									5.6	7.5
5	1.1		• 6				l					1.7	4.(
SSW	1.1		• 6				7					1.7	4.0
SW		• 5										•6	6.0
WSW			• 6	1.1	77			<u> </u>				1.7	10.0
W	1.7		• 6				<u> </u>					2.2	3.8
WNW		• 5						T				• 6	4.0
NW	. 5	. 6					1			1		1.1	4.0
NNW			.6	1.1								1.7	10.7
VARBL										i			
CALM	\times	\ge	\geq	\geq	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	\geq	\geq		
	7.2	13.8	27.1	32.0	10.5	8.3	1.1					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

WAGI	UPILCA		M HAME	RIH TO	WE K		19		rears				MONTH
					ALL WE	ATHER							LL
	_				С	LA\$\$						HOU	RS (L S
	_					DITION							
					-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	_												
	····		,		,				,		,		
SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	M
DIR.			' ' ' '				33.4	0.7.40	""	100			SF
N	. 4	1.5	1.7	• 7								4.3	7
NNE	• é	2.2	3."	1.1	•1							7.0	7
NE	• 3	2.5	6.0	5.3	2.1	• 9	• 3					17.5	1.1
ENE	• ?	1.9	6.7	8.3	3.5	1.5	• 2]	j		• !	21.8	1:
E	• 5	1.7	3.1	3.8	2.2	1.8	• 6	• 3				13.3	14
ESE	• 6	1.5	1.1	1.7	• 8	• 9	• 3	• 2				7.1	13
SE	• 4	1.7	1.9	1.0	• 5	. 1	• 3	• 1				6.1	10
SSE	. 7	1.3	1.7	• 1	• 1	• 1						3.4	
S	. 7	• 4	. 6	.1		• 1						1.9	
45W	• 6	• 6	• 4	• 1								1.7	! !
sw	• 7	• 8	• 3	• 2	• 1		<u> </u>			l		2.2	
wsw	1.1	• 4	• 3	• 4								2.3	!
w	1.5	• 6	• 3	• 6						<u> </u>	<u> </u>	3.1	1
WNW	• 9	1.6	• 3	• 1		<u> </u>			<u> </u>		ļ	2.9	1 '
NW	• 6	1.1	1.3	•2						<u> </u>		2.8	
NNW	•6	.7	• 9	• 4		<u> </u>			<u> </u>			2.5	1.5
VARSL	L	Ĺ		<u> </u>		Ļ	Ļ		Ļ	Ļ			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	19.4	23.2	28.1	24.1	9.3	5.5	1.8	.6			.1	100.0	110

TOTAL NUMBER OF OBSERVATIONS

SLOFAL CLIMATOLOGY BRANCH LOGELTAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	OPTICAL	SITE	HI NO	PTH TO	WER	73-	79		EARS				EP NONTH
		···			ALL WE	ATHER						<u>2000</u> HOVE	<u>-020</u> 6 (6.8.7.
	_	······································			COM	DITION				_			
SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEI
N				.6								• 6	14
NNE		. 6	•6	2.3		• 6						4.3	11
NE	• 5	1.7	5.7	11.4	2.3	1.7						23.3	12
ENE		1.1	6.2	17.6	13.1	3.4						41.5	15
E	.6.		2.3	4.5	4.5	3.4				i		15.3	16
ESE	• 5		1.7	2.8	1.1							6.2	12
SE		• 6	•6	1.7								2.8	9
SSE													
S	.6		1.7									2.3	6
SSW		1.1										1.1	6
SW	. 6,											• 6	2
WSW		• 5										• 6	5
w													
WNW	. 5											•6	
NW		• 6							L			. 6	6
NNW	.6											. 6	3
VARBL													LT.
								$\overline{}$					1

TOTAL NUMBER OF OBSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2001	MAUI	OPTICAL	SITE	HI N	ORTH	TOWER	78	-7 <u>9</u>				EP
STATION			STATION	HAME					 YEARS			HONTH
						ALL	WEATHER				9360	-0500
				•			CLASS				HOUR	8 (L.S.T.)
							CONDITION					
•										,		
•									 			
Г	****				7		T T					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	.1 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 6		1.1								1.7	9.7
NNE		• 6	1.1	1.7	•6							3.9	11.9
NE		1.7	7.8	5 • C	7.3	• 6						22.3	13.5
ENE		2.2	8.4	13.4	8.4	2.2			į .			34.6	13.7
ŧ		1.1	3.9	5.6	7.8	• 6						19.0	14.3
ESE		2.2	2.2	2.2	1.1							7.8	11.1
SE		1.1		1.7								2.8	9.4
SSE			I										
\$													
SSW	• 5	• 6										1.1	3.5
SW		• 6	• 6									1.1	6.5
WSW	• 6	• 6										1.1	4.0
W		• 6										• 6	4.0
WNW			• 5									• 6	10.0
NW		1.7	•6									2.2	6.3
NNW		1.1										1.1	5.€
VARSL											i		
CALM		\boxtimes	\geq	\geq	\supset	$\supset <$	\boxtimes	\boxtimes	\boxtimes	\boxtimes			
	1.1	14.5	25.1	31.7	25.1	3.4						100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 179

GLOSAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

117101	MONTH												
					ALL WE	ATHER						1500	-0806
													15 (L.S.T.)
					CON	IDITION							
SPEED	, 				<u> </u>					Ì			MEAN
(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	. 22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥ 56	*	WIND SPEED
Z	• 6	•6	• 6									1.7	4.7
NNE		1.7	• 6	1.7	• 5							4.5	1-1
NE		2.8	7.9	11.3	5.6	1.1	• 6					29.4	12.7
ENE	•6	• გ	7.3	18.6	10.2	1.7						39.0	13.9
Ł	. 6	1.7	1.1	2.3	4.5	4 . 1						14.1	16.1
ESE		1.1	1.1	• 6	• 6							3.4	13.5
SE			• 6	• 6								1.1	10.5
SSE		• 6										.0	6.C
\$												<u></u>	
SSW													
sw	.6											.6	3.0
WSW	. 5	• 6										1.1	4.0
W	•6								<u> </u>			.6	1.7
WNW		• 6										.6	6.0
NW	•6	• 6										1.1	4.5
WHM	•6	1.1	• 6									2.3	5.5
VARBL													
CALM											> <		
	SPEED (KNTS) DIR. N NNE NE ENE E SSE SSW SSW WSW WNW NW NHW NHW VARBL	SPEED (KNTS) 1 · 3 DIR. N	SPEED (KNTS) 1 · 3 4 · 6 DIR. N · 6 · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 NNW · 6 1 · 1 VARBL	SPEED 1-3 4-6 7-10 N	SPEED (KNTS) 1-3 4-6 7-10 11-16 N	SPEED (KNTS) 1-3 4-6 7-10 11-16 17-21 DIR. N	SPEED 1 - 3	SPEED 1 - 3	SPEED 1 - 3	SPEED 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47	SPEED 1 · 3 4 · 6 7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 41 · 47 48 · 55	SPEED 1 · 3 4 · 6 7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 34 · 40 41 · 47 48 · 55 ≥ 56 N	SPEED 1-3

TOTAL NUMBER OF OBSERVATIONS

177

GLCPAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUL OPTICAL SITE HE NORTH TOWER	78-79	SEP
STATION	STATION NAME	YEARS	HONTH
	ALL WE	ATHER	J900-110r
		LASS	HOURS (L S.T.)
	CO	IOITION	
į.			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1	•6	1.1							1		1.7	7.7
NNE	•6	7	1.1	4.0	•6							6.2	11.5
NE	•6	1.1	5.1	7.4	5.7	•6						20.5	13.6
ENE		1.7	7.4	14.2	5.8	3.4	• 6					34.1	14.2
Ę	• 6	• 6		8.5	5.7	2.3						17.6	15.4
ESE	1.1		•6	1.7	• 6							4.13	10.1
SE	• 6	• 6		•6						1		1.7	6.3
SSE		1.1	•6									1.7	6.0
\$		•6	•6									1.1	5.5
ssw													i
SW													
WSW													
w		• 6										. 6	6.0
WNW	•6	•6										1.1	4.5
NW	1.1	4.0	1.1									5.2	5.C
NNW	1.1	1.1	1.1									3.4	5.3
VARBL													
CALM		\geq	\geq	$\supset \subset$	> <	\boxtimes	> <	> <	\boxtimes	\geq			
	6.2	12.5	18.7	36.4	19.3	5.2	• 6					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 176

USAFETAC $_{
m JUL~64}^{
m FORM}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

THE RESERVE AND THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IN COLUMN THE PERSON NAMED IN COLUMN TH

GLURAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7101 STATION	MAUL OPTICAL SITE HE NORTH TOWER	78-79	SEP
STATION	STATION NAME	YEARS	MCMAN
	12J0-14P8		
		CLASS	HOURS (L.S.T.)
	ÇG	ROITIGN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И			3.4									4.C	7.7
NNE		. :	÷ 。 -	2.9	1,7							२, १	11.4
NE		1.7	8.^	12.6	2.9	1.7						27.U	12.4
ENE	• 5		5.2	1 '. 9	6.9	• 6						24.1	13.5
ŧ		1.7	3.4	4 . 12	•6	1.1						10.9	12.4
EŞE		. 5	• 6	4.6	•6	• 6						6.9	13.7
SE		1.1	1.1	•6	•6							3.4	9.8
SSE		٤.										• 6	6.3
\$													
SSW	• 5								Ĭ			• 6	1.0
SW	• 6											• 6	2.0
wsw	•6											.6	3.0
*	• 6	•6										1.1	4.4
WNW	•6	1.7	• 6								•	2.9	4.6
NW	. 4	2,9	2.0									6.3	5.8
NNW			• 6	• 6								1.1	11.5
YARBL						1							
CALM	\times	\times	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	$\geq \leq$		
	4. ^	12.6	29.9	35.2	13.2	4.0						120.0	11.4

TOTAL NUMBER	OF	OBSERVATIONS		ı.	7 /	4
			 	-	<u>.</u>	з.

GLOBAL CLIMATOLOGY RRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUT OPTICAL SITE HI NORTH TOWER	? 7 9~79	SEP
STATION NAME	YEARS	MONTH
ALL	L WEATHER	1500-1700
	HOURS (L.S.T.)	
	CONDITION	
	STATION MAME	STATION NAME ALL WEATHER CLASS

SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	· /-	• 5	1.2	•6					İ			2,9	7.1
NNE		1.7	6.7	6.4	2.3							17.3	11.2
NE		• ઇ	6.9	15.6	1.7							24.9	11.9
ENE		1.2	6.0	12.1	6.9	1.2						28.3	13.4
ŧ		• 6	1.2	4.6	2.9	1.2						10.4	14.7
ESE		• 6		2.9	•6							4.0	13.1
SE		• 6	•6	• 6								1.7	8.7
8SE .			1.2									1.2	7.5
S	• 5											• 5	3.11
SSW	• 5											.6	1.0
sw													
W\$W	• 5	• 6										1.2	4.7
w	1.2	• 5										1.7	3.1
WNW			1.2	L		<u> </u>		<u> </u>				1.2	7.5
NW		1.7							<u> </u>	Ĺ		1.7	4.7
NNW		• 6	1.7				<u> </u>		<u> </u>			2.3	8.5
VARBL								L					
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	3.5	9.2	27.7	42.8	14.5	2.3						106.0	11.7

TOTAL NUMBER OF OBSERVATIONS 173

USAFETAC $\frac{\text{FORM}}{\text{JUL-64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GEORAL CLIMATOLOGY BRANCH LEAFETAC A'N DEATHER SERVICIZMAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ATION	HAUI	UPILLA	L SILE	HI NO	R:H 10	WEH		19	 ,	TEARS				HONTH
			·			ALL WE							1870	-2.00
•		•				•	LA\$6						MONE	16 (L S T.)
						COI	DITION							
ŧ		-												
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
r	Ň			1.7	1.7								3.4	11.3
r	NNE			1.7	2.3	1.7	• 6		-				6.3	13.9
Γ	NE	• 6		6.9	17.1	8.	1.1						33.7	14.1
Γ	ENE		1	2.9	14.9	5.9	1.7						?6.3	15.1
ľ	E		1.1	2.9	3.4	5.1	2.9						15.4	15.7
Г	ESE		1.1		2.9	•6							4.6	12.4
	SE			. 6	.6	• 6							17	11.7
	SSE			• 6									• 6	7.0
	\$		• 6	1.1		}							1.7	6.3
	\$5W													
	sw	. 6											. 6	3.0
Ĺ	W\$W													
	w													
	WNW	• 6	1.1										1.7	5.5
	NW	• 5		1.1									1.7	5.3
	NNW	• 5	• 6	1.1									2.3	5.8
	VARBL													
	CALM	$\geq \leq$	\geq	$\geq \leq$	\geq	\geq	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	\geq	><		
Γ									1		l			

USAFETAC $\frac{\text{form}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLATAL CLIMATOLOGY BRANCH USAFETAC ATM MEATHER SERVICE/MAC

C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0601	MAUI OPTICAL SITE HI NO	TH TOWER 78-79		SEP
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		21/18-2300
		HOURS (L.S.T.)		
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N				. 6								• 6	16.0
NNE	• 6	•6	2.3	2.3	• 6							5.3	19
NE	1.7		3.4	14.9	6.9	1.7						78.7	14.0
ENE		1.1	3.4	13.2	14.4	2.9		T				35.1	15.4
E	• 6	4.7	• 6	4.0	4.6	3.4						17.2	15.7
ESE	• 6		1.1	2.3	1.1							5.2	12.4
SE			•6	•6								1.1	13.n
SSE	.6				1							.6	3.0
\$:•1	• 6								<u> </u>	1.7	6.7
SSW													
SW				 				İ			1	I	i
wsw								<u> </u>				l	
w									i ———				<u> </u>
WNW		•6							<u> </u>		ì	• 6	6.0
NW	•6	•6	1.1									2.3	6.5
NNW			• 6									• 5	8.^
VARBL									<u> </u>		<u> </u>		
CALM	$\supset <$	> <	> <	\boxtimes	>	\boxtimes	> <	> <	\boxtimes	\supset			
	4.6	8 • 11	13.8	37.9	27.6	8.17					} 	174.0	13.9

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GL LAL CLIMATOLOGY BRANCH CARCITAC AIH FRATHER SERVICLYMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	MAUI OFFICAL SITE HI MORTH TOWER	73-79 YEARS	SEP
		ATHEP	ALL MOURS (L S.T.)
	сом	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ň	• 1	- 4	1."	• 6								2.1	8.7
NNE	• ì	• 8	2.3	2.9	1.''	• 1						7.3	11.5
NE	. 4	1.2	6.5	11.9	5.1	1.1						26.2	13.1
ENE	. 1	1.	6.7	14.4	9.2	2.1	• 1					72.9	14.3
ŧ	• 7	1.4	1.9	4.6	4.5	2.4						15.0	15.1
ESE	• 3	• 7	• 9	2.5	•8	• 1						5.3	12.0
SE	. 1	• 5	• 5	• 9	• 1							2.1	9.7
SSE	• 1	• 3	• 3									•0	ő • 1
\$	• 1	• 3	• 5									• 9	6.1
SSW	• ?	• 2										. 4	3.5
sw	• 3	• 1	_ • 1									.4	3.8
wsw	۳.	• 3										• 6	4 • ū
w	• 3	• 3										•6	3.5
WNW	• 3	• 6	• 3									1.1	5.3
NW	• 4	1.5	• 9									2.8	5.5
WNN	. 4	• 5	. 7	• 1								1.7	6.5
VARSL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\boxtimes	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	3.8	1:0	21.8	37.8	20.7	5.8	.1					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 1484

USAFETAC $_{
m JUL~64}^{
m FORM}$ G-8-5 (OL-A) previous editions of this form are obsolete

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CLCRAL CLIMATOLOGY BRANCH (SAFETAC) AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PBO SAUL OPTICAL SITE HI NORTH TOWER 78-79 0	CT
STATION STATION NAME YEARS	MONTH
	-0200
CLASS	S (LST)
CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		•6		• 6								1.1	9.0
NNE		7.2	2.2	• 6								5.3	7.4
NE		• 6	5.6	4.4								10.5	10.3
ENE	•6	3.3	3.9	7.2	2.8	1.1	•6					19.4	12.7
E		1.1	2.8	3.3	5.^	3.3	1.7					17.2	17.4
ESE		• 6	1.1	2.2			•6	• 6	•6			5.6	19.5
SE		2.2	2.8	1.1								6.1	8.5
SSE	• 6	1.7	1.7	1.7								5.6	7.6
\$	• 6	2.8	1.1	.6								5.0	6.6
SEW	• 5	1.7	1.1	.6								3.9	7.3
SW		2.2	3.3	1.7								7.2	7.6
WSW	• 6		• 6									1.1	5.5
W		• 6										• 6	6.5
WNW	i • 1	1.1	• 6	•6								3.3	6.2
NW	• 6	1.1	2.8	• 6								5.0	7.4
NNW		• 5		2.2	• 6							3.3	11.8
VARSL													
CALM	\geq	$\geq <$	\geq	\geq	\geq	> <	\times	\geq	\geq	\geq	\geq		
	14.4	22.2	29.4	27.2	8.3	4.4	2.8	•6	• 6			100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

CLOFAL CLIMATOLOGY BRANCH WAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2.01	MAUI O	PTICAL	SITE	HI NOR	TH T	OWER	78	-79	 				0	
STATION			STATIO	NAME					Y	ARS			i	IONTH
						ALL	WEATHER	?	 				3300	-2530
							CLASS						HOUR	8 (L.S.T.)
							CONDITION		 					
							COMPTTION							
		 -							 					
Г	SPEED				***************************************		- T		 T			1	1	MEAN

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	• 6	1.7	2.2								5.6	8.5
NNE	. 6		3.4	1.1							i	J 5 o U	7.8
NE		1.1	6.1	8.9								16.2	10.2
ENE		1.7	3.4	3.9	3.4	1.1	•6			i .		14.0	13.7
E			2.2	4.5	2.2	2.8	2.2					14.3	18.2
EŞE		1.7	1.1	1.7	• 6		• 6	• 6				5.1	15.1
SE		1.7	1.1	1.7	• 6							5.0	13.1
SSE	.6	1.1	2.8	1								5.6	7.8
\$	•6		2.2	1.1								3.9	8.9
SSW	• 6		3.4	•6								4.5	8.4
SW		4.2	1.1	2.2								5.6	9.4
wsw		.6	1.7	• 6								2.8	8.6
W	• 6	1.1										1.7	3.7
WNW	1.1											1.1	3.0
8	.6		2.2	2.8								5.6	9.1
NNW			1.7	1.7								3.4	1.1.7
VARBL													
CALM		\geq	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	\geq			
	5.6	11.7	34.1	34.1	6.7	3.9	3.4	.6				100.0	11.3

OTAL	NUMBER	OF	OBSERVATIONS	1	70

USAFETAC $\frac{\text{form}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH L'SAFETAC A'R MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.01	MAUI OPTICAL SITE HI NORTH TOWER	78-79	061
STATION	STATION NAME	YEARS	MONTH
*	ALL WE	1600-0800	
•	C	LASS	HOURK (L S T.)
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SFEED
N	• 6	•6	1.7	1.7	•6							١٠٠	11.2
NNE		• 6	1.1	• 6	•6							∴.3	16.5
NE	, 5	s 5.	3 +	· = 2	1.1					i		15.5	20.6
ENE		1.7	3.4	4.0	2.3	• 6		. 5				12.5	12.9
E	• 6		2.8	3.4	3.4	1.7	1.1					13.1	15.5
ESE		• 6	1.7	2.3	1.1	1.7	1.1	•6				9.1	17.5
SE		1.1	1.7	1.1					[4 • G	8.3
SSE	• 6		3.4	2.8								6.8	9.9
\$		• 6	1.7	2.3								4.5	9.6
ssw	• 6	2.3	1.1									4.0	5.6
sw		1.1	2.8	1.7					<u> </u>			5.7	9.1
wsw	1.1	1.1	1.7									4.0	5.7
W	1.1	1.1										2.3	3.8
WNW	• 6											. 6	3.11
NW			2.3	1.1						Ī	[3.4	10.5
NNW		• 6	1.7	3.4						!		5.7	14.8
VARBL													
CALM		$\supset <$	> <	$\geq <$	$\geq <$		> <	\geq	$\geq \leq$				
	5.7	11.9	35.2	37	9.1	4.2	2,3	1.1				150.0	11.3

TOTAL NUMBER OF OBSERVATIONS 176

USAFETAC FORM 0-8-5 (OL-A) previous editions of this form are obsolete

BE BAL CLIMATOLOGY BRANCH USAFETAC AT MEATHER SERVICEMMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

101	MAUI OPTICAL	SITE HI NORTH	TOWER	78-79		ост
STATION		STATION NAME			YEARS	мтиом
			ALL WEA	THEP		6900-1160
		HOURS (L.S T.)				
			соив	ITION		
•						

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		t • 1	1,1	3.3								525	1 ,5
NNE		3.3	3.3	•6								7.2	7.6
NE		3.3	6.7	6.1	1.1					1		17.2	10.2
ENE	•6		1.7	1.7	• 6	1.1						5.6	13.1
E		1.7	1.7	2.8	1.7	2.2	2.2	1.7				13.9	19.4
ESE		• 6	2.8	2.2	1.7		• 6					7.8	13.5
\$E		2.8	2.2	1.1	•6						1	0.7	8.3
SSE		• 5	2.2	1.7	1.1							5.6	11.6
S	1.7	1.7	1.7	1.1								6.1	7.2
SSW	1.1	1.1	2.8		• 6							5.6	7.3
sw	•6	• 6	1.7	1.1								3.9	8.1
WSW		1.7	1.1								Ī	2.8	5.8
w	1.1	1.1	• 6	. 6								3.3	5.5
WNW	• 5	• 6	1.1									2.2	6.3
NW		1.1	2.2	.6					I			3.9	7.4
NNW	L	1.1	•6	•6	• 6							2.8	9.6
VARBL													
CALM	$\geq \leq$	\times	><	$\geq <$	$\geq \leq$	\geq	$\geq \leq$	$\geq <$		\geq	$\geq <$		
	5.6	22.2	33.3	23.3	7.8	3.3	2.8	1.7				178.8	10.8

TOTAL NUMBER OF OBSERVATIONS	180
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USAFETAC FORM $_{
m JUC~64}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOFAL CLIMATOLOGY BRANCH OCAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1001	HAUI OPTICAL SITE HI NOPTH TOWER	78-79	CT			
STATION	STATION NAME	YEARS	MONTH			
	ALL W	EATHER	1230-1400			
		CLASS	HOURS (L.S Y.)			
	C	ONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.1	1.7		•6							3.4	5.2
NNE	۰,۸	1.7	2.2	. 6				i				j 5.8	1.5
NE		1.7	5.6	2.2								٥.5	8.6
ENE		2.8	2.8	3.0	3.9	1.1						15.6	13.3
E	1.1	2 • 8	1.7	•6	1.7	1.7		1.7				11.2	15.9
ESE	•6	1.7	2.2	1.7	1.1	i						7.3	9.9
SE	• 5		1.1	• 6								2.2	9.3
SSE	1.7	2.2	1.7	.6	•6							6.7	6.8
5	• €	3 • 4	1.3	•6								5.6	6.4
SSW		2.2	• 6	1.1								3.9	8.3
SW		1.07	2.2	1.7								5.6	9.4
wsw		₹•9	1.1	•6								5.6	6.1
۱۷	i • 1	2.2										3.4	3.8
WNW	1.1	1.1	2.2									4.5	5.6
NW	• 6	2.9		1.7								5.7	7 . 1
NNW	•6	1.1	1.7	1.1	• 5							نہ و ک	9.3
VARBL													
CALM	\times	><	$\geq <$	><	><	><	\geq				><		
	ö•4	32.4	28.5	17.9	8.4	2.8		1.7				.00.0	9.5

TOTAL NUMBER OF OB	SERVATIONS	179
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GLOCAL CLIMATOLOGY BRANCH O'ASSTAC. A. - GEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001 STATION	MAUI OPTICAL	SITE HI NORTH	TOWER	78-79	YEARS	OCT	
	1		ALL WE	ATHER		1530-1700 HOURS (L.S.Y.)	_
			co	NDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.1	. €	1.1								2.8	9.6
NNE			2.3	3.4	• 5							(.2	11.8
NE	ii	₹•3	4.5	4.[]		[10.2	9.5
ENE		4.0	4.2	2.3	2.3							12.5	19.1
E		.6	4 . 0	2.8	2.3	2.3	1.1	1.1				14.2	17.5
ESE	• 6	1.7	• 6	•6	• 5							4 • G	٤٠١
SE	1.7	1.7	1 • 1	•6								5.1	6.1
SSE		1.1	1.1	1.7								4.2	9.3
\$	• 6	2.8		1.1								4.5	6.9
ssw	1.1	2.8	1.7	•6						I		6.2	5.7
sw	. 6	2.8	1.1	1.1								5.7	7.3
WSW	1.7	1.1	1.1									4.0	4.9
W	1.1	1.7	1.7									5.1	5.7
WNW	1.1	4.5	1.1		l	<u></u>	<u> </u>					6.8	5.1
НW	.6	• 6	• 6	. 6								2.3	7.3
NNW	1.1	• 6	3.4	1.1								6.2	7.7
VARBL													
CALM			$\geq <$	$\geq <$		$\triangleright <$	$\geq \leq$		$\supset <$				
	11.8	29.5	28.4	21.0	5.7	2.3	1.1	1.1				, 20.0	9.3

TOTAL NUMBER OF OBSERVATIONS 176

GLOSAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAUI OPTICAL	SITE HI	NORTH TOWER	78-79		OCT
	STATION NAME			YEARS	HONTH
		ALL	WEATHER		1800-2300
			CLASS		HOURS (L.S.T.)
-			CONDITION		
	MAUI OPTICAL		STATION NAME	STATION NAME ALL WEATHER CLASS	STATE STATES ALL WEATHER CLASS

SPEED (KNTS) DIR,	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.2	3.9	4.5								11.5	17.5
NNE			• 5	2.8	2.2		ļ					5.6	14.9
NE			4.5	2.8	2.2							9.5	12.6
ENE			4.5	7.3	2.3	1.1		• 6				16.2	14.3
E	!	1.1	• 6	3.4	3,9	2.?	• 6	1.1				14.G	17.4
ESE		• 6	1.1	1.1	• 6	• 6	• 6					4.5	14.9
SE	. 6	7.1	• 6		1.1	• 6						3.9	11.4
SSE		ļ	1.1	• 6								1.7	10.3
5	1.1	1.7	3.4									6.1	6.4
SSW	1.7	3.4	4.5									9.5	6.2
sw	1.7	1.7	2.2	1.1								6.7	6.6
WSW	_ • 6	-6										1.1	3.5
W	2.2	• 6										2.8	2.8
WNW	.6		2.2	•6								3.4	8 • 2
NW	- 6	• 6	•6	i								1.7	6.
WMM	_ •6	1.1		1.1								2.3	7.6
VARBL													
CALM		\geq	$\geq <$	$\geq \leq$	\geq	$\geq \leq$	\geq	\geq	$\geq \leq$	\geq	\geq		
	12.6	14.5	29.6	25.1	12.8	4.5	1.1	1.7				;∩∪.3	11.3

TOTAL NUMBER OF OBSERVATIONS 1.70

GLABAL CLIMATOLOGY BRANCH ISAMETAC ATM ACATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TED 1	MAUI	OPTICAL	HI NO	RTH	TOWER		78-	79	 YEARS			CT
		_	 		ALL		ATHER		 			-2300 s (L.S.T.)
		_	 			co	NDITION		 			
			 				····		 			
Γ	SPEED		 	T				T				MEAN

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 5	1.1	2.8	1.7								6.1	8.8
NNE	1.1	1.1	1.7	1.1	1.1]		5.1	9.3
NE			3.4	3.9	1.7							8.9	12.4
ENE	• 5	2.8	6.7	5.6	3.9	1.1						2:07	11.9
£			• 6	3.4	3.0	4.5	• 6	•6	• 6			14.0	21.1
ESE		• 6	1.1	2.2	1.7			.6				6.1	15.1
SE	• (1.7	1.1	1.1	.6	1.1						201	11.0
SSE	•6	2.2	1.1	1.7								5.6	7.6
S	1.1	2.2	• 6	1.1							1	5.0	6.4
SSW	• 5	1.1	1.7	i								3.4	6.2
sw	1.1	1.1	1.1	3.4								6.7	9.1
WSW	1.1	• 5										1.7	2.7
W		• 5							1			•6	5.1
WNW	1.1	• 6		1.7								3.4	7.2
NW		1.1									<u> </u>	1.1	5.0
NNW		• 6	2.2	1.7								4.5	8.6
VARBL									1	1			
CALM	><	><			><	$\supset <$	><	> <			><		
	8.4	17.3	24.	28.5	12.8	6.7	6	1.1	6	`		100.0	11

TOTAL NUMBER	OF OBSERVATIONS	\$ 179

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	MAUI OPTICAL SITE HI NORTH TOWER	75-79	<u> </u>
KOITATE	STATION HAME	YEARS	MONTN
	ALL WI	EATHER	ALL
1		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	1.1	1.7	1.9	• !							5.0	9.7
Hint	• 3	1.1	2.2	1.3	•6							5.5	9.5
NE	• 1	1.2	5.5	4 . 8	.2							12.3	10.5
ENE	•?	2.7	3.8	4.5	2.7	• 9	, 1	• 1				14.0	12.8
E	• 4	• 9	2.7	3.1	3.0	2.6	1.2	. 8	• 1			13.9	17.8
ESE	• 1	1.0	1.5	1.8	• 9	• 3	. 4	• 3	• 1			6.3	14.5
SE	• 4	1.5	1.5	• 9	• 4	• 5						4.9	9.1
SSE	• 5	1.1	1.9	1.5	• 2							5.2	8.7
5	8 •	1.9	1.5	1.0								5.1	7.2
SSW	• 8	1.8	2.1	. 4	• 1							5.1	6.7
sw	• 5	1.7	5.0	1.8								5.9	8.3
wsw	•6	1.2	• 9	• 1								2.9	5.7
w	1.5	1.1	• 3	• 1								2.5	4.5
WNW	• 0	1.	• 9	. 4								3.2	6.0
NW	• 4	•9	1.3	• 9								3.5	7.9
NNW	• 3	• 7	1.4	1.6	• 2				I			4.2	9.5
VARBL													
CALM		> <	$\geq <$	> <	$\geq <$	$\geq \leq$	$\geq \leq$	\geq		$\supset <$	$\geq \leq$	}	
	7.4	22	30.3	26.0	9.3	4.7	1.8	1.2	• !			100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 1428

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	<u> MAUI</u>	OPTICA	L SITE	HI NO	RTH TO	WER	<u> 77-</u>	79		YEARS			N	OV
		-				ALL WE	ATHER						0000 Heve	-0200
	1	-				con	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 · 55	≥36	*	MEAN WIND SPEED
	H	1.1	2.9	.6			İ ———		<u> </u>				4.6	4.9
	NNE	2.3	1.7	2.3	•6								6.9	6.3
	NE	.6	1.1	1.7	4.0	2.3							9.7	12.4
	ENE		1.7		5.7	2.9		• 6	ļ — — —	Ţ			12.9	14.3
	ŧ		6	4.0	2.9	2.9	2.9						13.1	15.5
	ESE		1.1	• 6	4.6	1.7	1.1						9.1	14.6
	SE				1.1								1.1	13.5
	SSE	1.1		1.7	2.9	1.1	• 6						7.4	12.0
	3	1.1	. 6	1.7	1.1	•6	1.1						6.3	11.2
	SSW		1.7	1.7	1.7]			5.1	8.7
	SW		1.1	1.1	3 - 4	.6							6.3	11.3
	W\$W		.6			•6	. 6	• 6		<u> </u>			2.3	18.8
	W	1.1	1.1	1.1							<u> </u>		3.4	5.3
	WNW		2.3	2.3	.6	<u> </u>		L			<u> </u>		5.1	7.3
	NW	1.1	.6	2.3		<u> </u>		<u> </u>	<u> </u>		<u> </u>		4.0	6.7
	NNW	1.7	.6	1.7	.6		<u> </u>		<u> </u>				4.6	6.1
	VARBL	L	Ļ		Ļ	Ļ	<u></u>				ļ			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	ł	1	1	1	1	l	l _	1]	1	I]	1	ì

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	HAUI OPTICAL SITE HI NORTH TOWER	77-79	NOV
STATION	SHAN NOITATE	YEADS	MTMOM
	ALL WE	TATHER	0300-0500
		CLASS .	HOURS (L.S.T.)
•	со	NOTTION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	1.1	2.3	1.7								5.7	8.6
NNE		• 6	1.7	1.1	2.1							4.6	12.0
NE		• 6	4.5	3.4	2.3							10.9	11.5
ENE	•6	• 6	3.4	3.4	2.9							10.9	12.1
ŧ	1.1	•6	1.1	5.2	•6	2.9						11.5	14.0
ESE			1.7	1.1	2.3	2.3	1.7					9.2	19.6
SE			.6	1.1	•6	• 6						2.9	15.2
SSE	•6			4.0	•6	1.1	1.1		<u> </u>			7.5	16.6
\$	• 6		•6	1.1		• 6						2.9	12.8
SSW	• 6	1.7	2.3	•6	• 6						<u> </u>	5.7	8.6
SW	•6	1.7	2.3	3.4	1.1							9.2	10.4
WSW	• 6	1.1	2.3	1.1							<u> </u>	5.2	7.8
w	1.1		2.3							1		3.4	5.8
WNW	• 6	1.1	•6	1.7		•6						4.6	13.1
NW		1.1	1.7					l				2.9	7.6
NNW	1.1	•6		1.1							 	2.9	7.2
VARBL								<u> </u>		1			1
CALM	\geq	\geq	\geq	\geq	\geq	\geq	$\geq \leq$	\geq	\geq	\geq	$\geq \leq$		
	8.2	19.9	27.6	30.5	12.1	8.0	2.9					100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 174

USAFETAC $_{
m JUL~64}^{
m FORM}$ 0-8-5 (OL-A.) Previous editions of this form are obsolete

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 77-79

1					ALL WE	ATHER						<u> 1600</u>	
			CONDITION										
SPEED (KNTS) DIR.	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	44 · 55	≥56	*	
N	• 6		• 5	•6	•6							2.3	1
NNE	•6	1.2	1.7	2.3								5.8	1
NE		1.7	2.9	2.9	1.7							9.2	1
ENE		2.3	2.3	4.6	1.7							11.0	1
E		2.9	3.5	2.3	•6	1.7		•6				11.6	1
ESE	•6	• 6	1.7	1.2	2.3	2.9	• 6					9.8	1
SE				3.5			1.2					4.6	1
SSE		• 6	2.3		• 6	1.2	• 6					5.2	1
\$		1.2	1.2	1.2			.6					4.0	1
SSW	• 6	• 6	1.2	1.2	.6		.6					4.6	1
sw	2.3	1.7	3.5	2.9	.5							11.0	
WSW	1.7		•6	1.2		<u> </u>	<u> </u>		<u> </u>	<u> </u>		3.5	L
	1.2	1.2		•6	ļ <u>.</u>	<u> </u>	ļ <u></u>		ļ	ļ		2.9	<u> </u>
WNW	1.2	2.3	.6		ļ	<u> </u>	<u> </u>			<u> </u>		4.0	
NW	•6	1.2	2.9	•6	1.2	.6			ļ	ļ	<u> </u>	6.9	1
WWW	• 6	1.7	•6		ļ	•6			ļ			3.5	↓_
VARBL		<u> </u>	_		Ļ		_	<u> </u>	_	Ļ,			
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><		L

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI OPTICAL	SITE HI NORTH	TOWER	77-79	YEARS	 NOV
			ALL WEA	THER		U900-1100
,			ELA	186		HOURS (L.S.T.)
1			COND	ITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.6	•6	1.1									2.3	5.3
NNE		• 6		1.7								2.3	12.0
NE	•6	1.1	2.3	1.7	• 6							6.3	9.8
ENE		1.1	2.9	5.1	2.9							12.0	12.8
E	• 6	• 6	1.1	2.3	•6	• 6		• 6				6.3	14.3
ESE	• 6	2.3	1.1	2.3	2.3	1.7						10.3	13.5
SE		1.7	1.7	4.0	1.7	• 6			L			9.7	12.8
SSE		2.3	1.7	1.1	1.1	• 6	1.1					8.0	13.8
\$	•6		2.3	• 6			• 6		<u> </u>		<u></u>	4.0	11.1
SSW		2.3	•6	1.7								4.6	8.0
sw		2.9	2.3	1.7								6.9	8.3
WSW	•6	2.3	1.7	1.7]	6.3	7.8
W										l			<u> </u>
WNW	1.1	3.4	• 6						<u></u>	Ĺ	<u></u>	5.1	4.9
NW	1.7	2.3	1.7	• 6	1.7							8.0	8.9
NNW	2.3	1.7	3.4	• 6								8.0	5.9
VARSL													
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$		
	8.6	25.1	24.6	25.1	10.9	3.4	1.7	.6				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 175

USAFETAC $_{
m XII.~64}^{
m FORM}$ 0-8-5 (OL-A) previous editions of this form are obsolete

GLOPAL CLIMATOLOGY BRANCH SAFETAC AIP WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3001	MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	77-	79		YEARS				O V
STATION			STATIO	N NAME					,	TEAUS				
						ALL WE								-1400
						CI	LA96						#00#	# (L.#.T.)
							DITION							
						COM	DITION							
	•	_												
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	ME/. ' WIND SPEED
	N		.6										.6	6.9
	NNE	• €		1.1	1.7								3.3	9.7
	NE	.6	2.8	1.7	1.7	_ •6	1.1						8.3	10.8
	ENE	1.1	1.1	3.3	2.2	2.2		ļ					9.9	10.2
	t	• 6	2.2		2.2	1.7		1.1					7.7	13.6
	ESE		• 6	1.1	3.3	• 6		.6					6.1	13.5
	SE		2.2	2.8	1.7	4.4	. 6	1.1					12.7	14.4
	35E	•6	1.7		3,3		.6						6.1	11.1
	3		•6	.6	1.1	1.7	1.1		ļ <u>.</u>		<u> </u>		5.0	15.4
	SSW	3.	.6	1.7	•6	• 6							3.9	8.7
	sw	. 6	2.8	1.7	1.1	2.2		ļ	ļ		<u> </u>		8.3	10.3
	WSW	2.2	1.7	.6	.6						 		5.0	5.3
	W	1.7	2.2	1.1	ļ		ļ		ļ ———	ļ		<u> </u>	5.0	4.7
	WNW	3.3	3.3	1.1						<u> </u>	 		7.7	4.4
	NW	3.3	2.2		• 6	•5				ļ	ļ		6.5	5.7
	NNW	•6	1.7	<u> </u>		1.7		ļ			<u> </u>		3.9	10.1
	VARBL		_	Ļ ,	_	Ļ		Ļ	<u></u>	Ļ.,	Ļ,			ļ
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
														1

GLOBAL CLIMATOLOGY BRANCH USAFETAC ALR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0601	MAUI OPTICAL SITE HI NORTH TOWER	77- 79	NOV
STATION	STATION NAME	YEARS	MONTH
	ALL W	EATHER	1500-1700
		CLASS .	HOURS (L.S.T.)
,		CONDITION	
	•		

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 5		• 5								1.1	7.5
NNE	- 5		2.2	• 5								3.3	7.8
NE	• 5	• 5	1.6	2.2	2.2							7.1	12.0
ENE	• 5	• 5	1.6	6.0	1.1		• 5					10.4	13.3
E	.5	1.1	3.3	3.3	3.3		1.1	•5				13.2	14.8
ESE	•5	• 5	• 5	• 5	1.6	1.1						4.9	15.2
SE	1.1	2.2	2.7	3.3	1.1	• 5						11.0	10.2
358	• 5	1.6	3.3	• 5	•5		• 5					7.1	10.1
S	1	•5	1.1	• 5	• 5	• 5						3.3	12.8
SSW	• 5	1.1	1.6	1.1		. 5						4.7	9.6
SW	1.6	2.2	1.1	2.2	1.1	• 5						8.8	9.6
WSW		1.6		• 5	• 5							2.7	9.2
w	• 5	1.6	1.6									3.8	6.6
WNW	2.2	1.6	1.6	• 5								6.0	6.5
NW		3.3	1.6		• 5							5.5	7.5
NNW	2.7	1.1	1.6	1.1								6.6	5.4
VARBL													
CALM		$\supset <$	><	$\triangleright <$	$\geq <$	$\triangleright <$		$\geq \leq$	$\triangleright <$	><	><		
	12.1	23.3	25.8	23.1	12.6	3.3	2.2	, 5				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC: AIR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 77-79

	_		· · · · · · · · · · · · · · · · · · ·		ALL WE	ATHER						0081 WOW	- 2 L
					сон	SELLION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	M W
N	. 5		1.1	• 5						-		2.2	
NNE	•5	• 5	1.1		• 3							2.7	1
NE	• 5	• 5	3.3	2.7	1.5	• 5						9.3	1
ENE		• 5	4.9	3.3	2.1	1.6	2.2					15.4	1
ŧ		• 5	2.7	6.0	1.6	1.1						12.1	1
ESE	.5		1.1	1.1	1.1							3.8	1
SE		1.5	2.7	2.2	1.1	. 5						3.2	1
\$SE		1.1	2.2	•5								3.8	
\$	2.2	1.1	• 5	2.7	• 5							7.1	
SSW	1.1	1.6		1.1	• 5	5						4.9	1
sw	. 5	1.6	2.2	1.1		• 5	• 5					6.6	1
W\$W	,5		1.1		• 5	<u> </u>						2.2	\perp
W	1.1	• 5	2.2									3.8	
WNW	1.6	1.6	1.6						<u> </u>			4.9	
NW	2.2	2.2	3.3	1.6								9.3	
NNW	.5	1.1	1.6									3.3	
VARBL								<u> </u>					
CALM		`											

USAFETAC $\frac{\text{FORM}}{\text{JNL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLGBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7001	<u> </u>	OFILCA			KIN IU	MCH		19						MONTH
STATION			STATIO	M NAME		ALL WE	ATUED			YEARS				
		: -					ELASS						KILIO	-2300 ** (L *.T.)
	•													
	•				*	COI	HOITION							
	1	_												
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4 . 55	≥56	*	MEAN WIND SPEED
	N	.6	• 6	1.7	•6								3.3	7.8
	NNE		2 • 2	2.2									4.4	6.3
	NE	1.1	1.1	1.1	3.3	1.7							8.3	11.5
	ENE		2.2	7.2	4.4	2.2	2.8						18.6	12.7
	E		1.1	2.2	2.8	1.7	2.2	•6					10.5	16.3
	ESE		1.1	•6	1.7	3.3						<u> </u>	6.6	13.9
	SE		• 6	1.1	3.3	•6	•6						6.1	12.4
	SSE		1.1	2.2	•6								3.9	7.9
	5	1.1		1.7	• 6	1.1							4.4	10.4
	SSW	•6	1.7	1.7		•6	•6	• 6					5.5	11.8
	SW	1.1	2.2	1.1	<u> </u>	1.1							5.5	8.3
	WSW	• 6	1.1	1.7	1.1		1.1		<u> </u>				5.5	11.6
	W	1.1	2.2		•6	ļ						<u> </u>	3.9	5.0
	WNW	1.1	1.7	2.2		<u> </u>	<u> </u>	ļ		<u> </u>	ļ		5.0	5.4
	NW	1.7	• 6	1.7	•6	<u> </u>					ļ		4.4	6.1
	NNW	.6	1.7	1.7							<u> </u>	<u> </u>	3.9	5.4
	VARBL		<u> </u>	<u> </u>		<u> </u>		Ĺ,		1				
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
		2.4	21.5	29.8	19.3	12.2	7.2	1.7					100.0	10.7

GLOBAL CLIMATOLOGY BRANCH USAFETAC: ATR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 77-79

SPEED 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55	≥ 54	ALL HOUSE (L
SPEED (KNTS) 1-3	≥56	* •
(KNTS) DIR. 1 · 3	≥54	* •
N		
NNE		
NE .5 1.2 2.4 2.7 1.6 .2 ENE .3 1.3 3.2 4.4 2.3 .6 .4 E .4 1.2 2.2 3.4 1.6 1.4 .4 .2 ESE .3 .8 1.1 2.0 1.9 1.1 .4 SE .1 1.1 1.5 2.5 1.2 .4 .3 SSE .4 1.1 1.7 1.6 .5 .5 .4 8 .7 .5 1.2 1.1 .6 .4 .1	 	2.7
ENE .3 1.3 3.2 4.4 2.3 .6 .4 E .4 1.2 2.2 3.4 1.6 1.4 .4 .2 ESE .3 .8 1.1 2.0 1.9 1.1 .4 SE .1 1.1 1.5 2.5 1.2 .4 .3 3SE .4 1.1 1.7 1.6 .5 .5 .4 S .7 .5 1.2 1.1 .6 .4 .1	 	4.1
e •4 1•2 2•2 3•4 1•6 1•4 •4 •2 ese •3 •8 1•1 2•0 1•9 1•1 •4 se •1 1•1 1•5 2•5 1•2 •4 •3 sse •4 1•1 1•7 1•6 •5 •5 •4 s •7 •5 1•2 1•1 •6 •4 •1	 	3.6 1
ESE •3 •8 1•1 2•0 1•9 1•1 •4 SE •1 1•1 1•5 2•5 1•2 •4 •3 SSE •4 1•1 1•7 1•6 •5 •5 •4 8 •7 •5 1•2 1•1 •6 •4 •1	 	12.4 1
SE • 1 1 • 1 1 • 5 2 • 5 1 • 2 • 4 • 3 SSE • 4 1 • 1 1 • 7 1 • 6 • 5 • 5 • 4 \$ • 7 • 5 1 • 2 1 • 1 • 6 • 4 • 1	 	10.8 1
\$\$E	 	7.4 1
\$.7 .5 1.2 1.1 .6 .4 .1		7.1 1
	┼	6.1 1
	 	
sw 8 2.0 1.9 2.0 .8 .1 .1	+	7.8
wsw 8 1.1 1.0 8 2 2 1	1	4.1
	 	3.3
WNW 1.4 2.2 1.3 .4 .1		5.3
NW 1.3 1.7 1.9 .5 .5 .1	 	6.0
NNW 1.3 1.3 1.3 .4 .2 .1	 	4.6
VARBL	 	1
CALM		1
	\leftarrow	4

GLOBAL CLIMATOLOGY BRANCH USAFETAC' AIR WEATHER SERVICE/MAC

C

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

5001	MAUI OPTICAL SITE HI NORTH TOWER	77-79	DCC NONTH
	ALL W	PEATHER	0000-020C
		CLASS	NOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.7	. 8	• 14	1.6	1.6	1.2	. 4					7.9	13.0
NNE	• 8	• 4	2.0	• 8	•8	1.2	• 4	. 8				7.1	16.6
NE	• 8	. 4	5.0	• 8	1.2	, 4	•8					6.3	14.1
ENE	•8	8.	5.1	5.7	3.9	2.8	• 4	.4				20.9	14.7
ŧ	• 4	• 4	2.0	3.1	1.6	• 8	• 4	• 4	• 4			9.4	16.3
ESE		• 4		5.4	1.2							3.9	12.9
SE		• 4		2.0		1.2						5.1	12.5
SSE	1.2	2.0		5								5.5	7.6
\$		2.11	• 4	1.2	}							3.5	7.8
55W		1.6	1.8	. 8	• 4	• 4						4.3	10.6
\$W	• 4	1.2	2.0	2.0	1.6				T			7.1	11.4
wsw	• 8	• 4	1.2		•8							3.1	9.1
w	• 8	•8	• 4	• 8	• 4		·					3.1	8.6
WNW		Ī.	• 8	1.2	. 4						L	2.4	12.3
NW	. 4	1.2	1.6	•8		• 8						4.7	10.7
NNW	• 4	• 4	1.2	2.0	• 4	• 8	• 4					5.5	13.8
VARBL													
CALM		\geq	$\geq <$	\boxtimes	\geq	\geq	$\geq \leq$	\geq	\boxtimes	\geq	$\geq \leq$		
	8.7	13.0	22.4	27.6	14.2	9.4	2.8	1.6	. 4			100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 254

GLOBAL CLIMATOLOGY BRANCH USAFETAC: AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>^201</u>	MAUI OPTICAL SITE HI NORTH TOWER	77-79	
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	J300-0500
		CLASS	HOURS (L.S.T.)
		CONSTRICT	

SPEED (KNTS) DIR.	1 · 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		. 4	1.6	. 4	1.2	1.6	, 4					5.6	17.1
NHE	• 4	. 4		. 4	1.2	. 8	. 4	.4				4.0	19.4
NE		• 8	3.6	4.0	2.4	. 4	• 8	. 8				12.7	15.5
ENE		• 4	3.6	6.4	3.5	2.7	• 4	• 4				15.9	15.4
E	.4	1.6	3.2	1.6	2.8	. 8	. 4	. 4				11.2	14.1
ESE	. 4	. 4	1.6	.4	1.5					i		4.4	11.6
SE			4.4	2.0					i		İ	6.4	9.7
\$5E		1.6	• 8	1.6						1		4.0	9.1
\$	9.	• 8	1.2	.4								3.2	6.6
SSW	1.2	• 8	2.4	. 8								5.2	7.5
sw	.4	2.4	1.6	1.2	• 4	. 4						6.4	8.6
WSW	.8	.8	.8	. 8	.4							3.6	9.0
w		.4	.8	.8	. 4			$\overline{}$		 	İ	2.4	11.5
WNW	, tı	1.6	. 8	. 4								3.2	5.9
NW			1.2	2.0	- 4	. 4	. 4					4.4	14.8
NNW	1.6	• 8	1.6	2.4	• 4	.8						7.6	10.2
VARBL						1				i			
CALM	\boxtimes	\geq	\geq	\geq	$\geq \leq$	\times	\geq	\geq	\geq	\geq	\geq		
	6.4	13.1	29.1	25.5	13.9	7.2	2.8	2.0				100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 251

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUI OPTICAL SITE HI NO	ORTH TOWER 77-79		DEC
STATION	STATION NAME		YEARS	MUNIN
		ALL WEATHER		<u> </u>
	<u> </u>	CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 · 47	48 - 55	≥54	*	MEAN WIND SPEED
N	. 4	• 4	1.6	1.6	• 4	• 4		. 4				5.2	14.1
NNE			•8	2.4	1.2		1.6	•8				6.9	20.7
NE		• 4	.8	2.4	2.1	1.2	1.2	• 4				8.5	18.9
ENE	. 4		3.6	8.1	3.6	• 4		• 4				16.5	14.4
E	.4	2.7	2.0	4.0	• 4	2.7	• 4		. 4			11.7	14.5
EŞE	.4	• 4	2.4	2.8	•8	.8						7.7	12.3
SE		• 8	2.4	1.6								4.8	9.3
SSE	• 4		2.4	.8								3.6	8.9
\$			• 8	8.	• 4	. 4						2.4	14.5
SSW	.4	1.2	• 4	.4				. 8				3.2	14.3
SW		2.4	3.6	2.0	. 4	. 4						8.9	10,0
WSW	3.2	1.2	1.2	.4								6.0	4.9
W		• 4	• 8	• 8								2.0	10.8
WNW	• 8			5.0								2.8	19.1
NW		. 4	• 4	•8		• 4						2.0	12.8
NNW		• 8	2.0	2.0	1.6	1.2						7.7	13.8
VARSL													
CALM		$\geq \leq$	><	$\triangleright <$	><	><	$>\!\!<$	><	$\geq \leq$	$\triangleright \!$	><		
	6.5	10.5	25.4	33.1	10.9	7.3	3.2	2.8	. 4			100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 248

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOSAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI NORTH TOWER 77-79

	-	ALL WEATHER										1900-1100 HOURS (L.S.T.)		
					сон	DITION								
SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 · 47	48 - 55	≥56	*	ME/ WIN	
N		. 4	1.2	2.4	•8	2.0		• 8		<u> </u>		7.8	17.	
NNE	1.6	1.2	• 8	2.0	.8	1.2	• 4	.4				8.6	13	
NE	٩.	1.2	1.6		٩	1.6	• R					6.9	15	
ENE	• 8	• 8	1.2	5.7	2.4	1.2	• 4					12.7	14	
ŧ		2.9	1.2	1.6	. 3	1.6	.8					9.0	14	
ESE	. 4	. 4	. 8	2.0	2."	1.2						6.9	15	
SE	• 8		3.7	2.9								7.3	9	
\$SE	. 4	1.6	1.6	1.2	. 4	. 4						5.7	10	
			• 4	. 8	1.2	. 8						3,3	18	
SSW		. 4	2.9	. 4		. 4			.4			4.5	13	
\$W	1.6	• 9	2.4	1.2	1.2							7.3	9	
WSW		• 4	1.2	. 4						<u></u>	<u> </u>	2.0	9	
<u> </u>	. 2	.4	- 8	1.2							ļ	3.3	7	
WNW	۹۰		٩.	1.6						ļ <u> </u>	<u> </u>	3.3	9	
NW	• 4	.4	1.2	1.6								3.7	9	
NNW	1.2	1.2	1.6	1,2	• P	1.6				ļ		7.8	12	
VARBL	 >	<u></u>			<u></u>						_	 	₩.	
CALM	\sim	I ><	\sim	\sim	\rightarrow	\sim	\sim	\sim	\sim	\sim	\sim	<u> </u>		

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

C

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

וססת	MAUI	OPTICA	L SITE	HI NO	RTH TO	WER	77-	79					Ð	EC	
STATION			STATIO	M MAME			*	•		YEARS	·			MONTH	
		i				ALL WE	ATHER						1200	-1406	
		CLASO											HOURS (L.S.T.)		
	•														
	•	COMPITION													
	t						_								
	(1								
	<u></u>	-,			·	,				,	,				
	SPEED											l !		MEAN	
	(KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND	
		ļ			7 5		2 .						7 0		
	NNE	1.2	• 4	2.1	2.5	-8	2.1	.8	-8				7.9	17.7	
	NE NE	1.00	• 8	3.3	1.2	2.1	102	• •	• •	 	 		7.5	14.4	
	ENE	. 4	• 3	• 8	4.6	4.6	1.7			 	• 4	 	13.3	16.6	
	ene e	 	1.7	2.1	1.7	•8	1.7						7.9	13.8	
	ESE	#	.4	1.2	1.2	8.	2.1	 	• 4	 		 	6.2	18.4	
	SE	-4	1.2	1.7	2.9	• 0	401		• • •			 	6.2	9.5	
	SSE	- 4	1.2	1.2	2.1	•8	{		 	 	 	 	5.8	10.2	
	\$	1.2	***	1.05	.4	•4				 	 		2.1	8.8	
	ssw	 		3.3	1.7	•4				 	 		5.4	10.5	
	SW	.4	. 4	•4	2.5	2.5	 			 		 	6.2	13.8	
	WSW	.8		.8	.4					 		 	2.1	6.4	
	- W	1	1.2	1.2	• 4	 	 		 	 	 	 	2.9	7.4	
	WNW	-4	1.2	• 8	.4	• 4					1		3.3	8.0	
	NW	1.2	2.1	•8	1.2	• 8	•4		 				6.6	9.9	
	NNW	.4	1.2	2.9	3.7	1.2				1			9.5	11.0	
	VARBL	1								1				T	
	CALM														
					\leftarrow			\leftarrow				\leq			
		7.5	13.7	23.7	27.4	15.8	9.1	.8	1.7	<u> </u>	. 4	<u> </u>	100.0	12.9	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COO1	MAUI OPTICAL SITE HI NORTH TOWER	77-79 YEARS	DEC MONTH
;		EATHER CLASS	1500-1700 HOURE (L.S.Y.)
	- c	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, 4	• 8	2.5	1.6	1.2	1.6	1.6	. 4				10.3	17.4
NNE	• 4	2.1	.8	• 8	1.2		. 4	.8				6.6	14.3
NE	• 8	1.2	1.2	1.2	. 8	1.2	. 4		. 4			7.4	14.8
ENE	• 4	1.2	2.9	4.1	3.7	1.6	• 8					14.9	15.3
ŧ	.4	• 8		2.9	1.6	. 4	. 6		.4			7.4	17.0
ESE		• 4	•8	.4	. 4	2.5						4.5	17.9
SE	.4	1.6	2.1	. 4	. 4							4.9	7.9
SSE	.4	• 8	1.6	1.6	. 4							4.9	10.0
\$. 4			.4								.8	8.5
\$5W	•4	• 8	1.2		. 4							2.9	7.6
SW	• 8	• 8	1.2	2.9	• 4		1.2					7.4	13.6
WSW		1.2	2.5	.8	• 5							5.3	9.6
w	.9	• 4	1.2	. 4								2.9	6.6
WNW	4	1.6	1.6	. 8	. 4							4.9	8.3
NW	1.2	2.1	8.	2.1	1.2							7.4	9.4
NNW	.4	• 8	.4	2.9	1.2	1.2	.4	i			1	7.4	15.2
VARBL			<u> </u>			7.7.							
CALM	\geq	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq		
	7.8	16.9	21.0	23.5	14.4	8.6	5.8	1.2	.8			100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 243

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0001	MAUT OPTICAL SITE HE NORTH TOWER	77-79	DEC
STATION	STATION NAME	YSARS	HONTH
,	ALL WE	ATHER	1800-2000
		ELANG	HOURS (L S.T.)
		LATE AND	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
z	• 4	1.6	• 8	2.4		3.2	. 4	.4				9.2	16.8
NNE	. 4	. 8	2.0	4.4		2.4	•8	1.2				12.0	17.2
NE	• 4	•8	2.0	2.8	2.4	•8						9.2	13.8
ENE	• 14	1.2	2.4	2.4	3.2	2.4	• 4					12.4	15.2
E	• 4	• 4	2.0	3.6	1.2	1.2	.8	•8				10.4	16.7
ESE		• 4	•8	1.2	. 4	2.0		.4	• 4			5 • 6	19.7
SE	• 4	• 4	• 4	1.2	• 8							3.2	12.5
SSE		1.2		3.2								4.4	10.9
\$	• 4		. 4	.8	. 4							2.0	10.6
SSW	• tį		• 8		• 8							2.0	11.2
SW	1.2	• 4	1.6	• 8		1.2						5.2	11.1
WSW	• 4	•8	1.2	3.6								6.€	10.9
w	• 8	• 8	2.0	1.2								4.8	7.5
WNW	• 4	1.2	. 4	1.2								3.2	8.3
NW		• 4	1.2	2.0	• 4	• 4						4.4	12.1
NNW	• 4	2.0		1.2	1.2	• 4	. 4					_5.6	12.9
VARBL													
CALM	\geq	\geq	$\geq \leq$	\geq	\geq	$\geq \leq$	\geq	\geq	$\geq <$	\geq	\geq		
	6.4	12.4	18.1	32.1	10.8	14.1	2.8	2.8	.4			100.0	14.1

8 • 4 100 • 0 14 • 1

TOTAL NUMBER OF OBSERVATIONS 249

USAFETAC $_{\rm JUL~64}^{\rm FORM}$ 0-8-5 (UL-A) previous editions of this form are obsolete

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COO1	MAUI OPTICAL SITE HI NORTH TOWER	77-79	DE C
	ALL	WEATHER CLASS	2100-2300 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 4	•4	1.6	1,2	1.2	1.2						5.8	14.1
HNE	1.5	. 4	1.9	2.7	1.9	2.3	1.2	. 4				12.5	16.3
NE	· tı		1.6	2.3	1.2	1.2		1.6				8.2	19.1
ENE		• 8	3.1	5.1	2.7	1.2	. 4	1.2				14.4	16.0
E	. 4	1.9	1.2	3.5	1.6	1.6	1.2	1.2	• 4			12.8	17.6
ESE		• 4	. 4	1.9	1.9	. 4						5.1	15.2
SE			1.6	1.2	• 8							3.5	12.8
SSE		• 4	• 8	1.9								3.1	11.17
\$		• 4		. 4	. 4							1.2	11.3
SSW	. 4	1.2	• 4	• 8								2.7	6.7
SW		1.2	1.9	3.5	_ • 8							7.4	11.6
WSW	. 4	1.6	1.9	1.9	• 8							6.6	9.4
W	.8	1.5	.8	3								3.9	6.8
WNW	. 8		. 4		. 4							1.5	7.8
NW	• 8	1.6	.4	1.6	1.2							5.4	10.1
MMM	.8	• 8	1.2	1.2	1.2		. 8					5.8	13.3
VARBL													
CALM	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	\geq	\geq	$\geq \leq$		
	5.6	12.5	19.1	35.0	16.0	7.8	3.5	4.3	. 4			100.0	14.0

TOTAL NUMBER OF OBSERVATIONS 25.7

USAFETAC RIL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETI

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7002	MAUI OPTICAL SITE HI NORTH TOWER	77-79	DEC
STATION	STATION NAME	YEARS	HTHOM
	ALL	WEATHER	ALL
		CIASS	HOURS (L.S.T.)
	·		
	J	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	•5	• 7	1.3	1.7	• 9	1.7	• 4	• 4				7.4	15.1
NNE	• 8	8.	1.3	1.8	• 9	1.2	•8	• 7				8.1	16.4
NE	• u	• 7	2.0	1.9	1.6	• 9	• 5	• 4	• 1			8.4	15.5
ENE	. 4	.8	2.9	5.4	3.4	1.7	. 4	• 3		• 1		15.1	15.2
ŧ	• 3	1.5	1.7	2.8	1.4	1.3	• 6	• 4	• 2			10.0	15.6
ESE	• ?	• 4	1.0	1.6	1.2	1.1		• 1	• 1			5.5	15.5
SE	• 3	• 6	2.2	1.8	• 3	• 2						5.2	10.2
SSE	• 4	1.	1.2	1.8	- 2	• 1						4.6	9.7
\$. 4	• 4	• 4	• 7	• 4	• 2						2.3	10.9
SSW	• 4	. 9	1.6	•6	• 3	• 1		• 1	• 1			3.8	13.3
SW	.6	1.2	1.9	2.0	• 9	• 3	• 2					7.0	11.2
WSW	• A	• 8	1 . 4	1.1	.4							4.4	8.7
w	5	. 8	1.0	• 8	• 1			L				3.2	8.0
WNW	• 5	• 7	• 7	1.0	• 2				<u> </u>			3.1	8.7
NW	• 5	1.0	1.0	1.5	• 5	• 3	• 1					4.8	13.8
NNW	• 7	1.0	1.4	2.1	1.0	• 8	• 3					7.1	12.7
VARBL													
CALM				$\supset <$	><	$\geq <$	><	><	$\geq \leq$	><	$\geq <$		A
	7.4	13.0	22.8	28.2	13.4	9.5	3.0	2.2	.4	• 1		190.0	13.3

TOTAL NUMBER OF OBSERVATIONS 1988

USAFETAC $_{\rm JUL~64}^{
m FORM}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

> NW NNW VARBL

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

) [] [HAUI	OPTICAL	SITE		RTH TO	WER	77-	3.0		EARS				L L
		. -				ALL WE	ATHER			·····			A	L L 5 (L.S.T.)
,						CON	DITION							
t s	•													
	SPEED (:"NTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.4	• 9	1.3	1.3	• 3	• 3	• 1	•1				4.6	11.2
1	NNE	. 4	1.3	1.9	1.5	. 4	•2	• 1	1				5.9	10.7
1	NE	• 3	1.2	3.8	4.1	1.5	• 5	• 1	.0	.0			11.7	11.9
	ENE	.2	1.5	4.7	6.4	3.2	1.3	• 2	• 1		.0	•0	17.5	13.3
1	Ę.	• 3	1.0	2.3	3.7	2.3	1.7	• 5	• 2	•0	. 7		11.9	15.1
	ESE	• 2	•7	1.1	1.6	1.1	.7	•1	• 1	D			5.7	14.1
	SE	. 3	• 9	1.3	1.3	• 5	. 3	• 1	.0				4.7	11.1
	SSE	• 3	• 8	1.0	1.0	. 3	• 2	• 1	•1	• 7			3.8	11.C
}	\$. 4	•6	• 7	,7	-4	• 2	• 1	.0	•0			3.1	11.2
	SSW	• 4	• 8	• 8	•6	. 4	• 3	• 1	_ • 1	• 0	. 0		3.4	11.7
	sw	. 5	1.0	1.3	1.4	, 9	• 5	• 3	.1	.0			6.2	13.0
	wsw	. 6	• 8	• 8	. 8	• 3	• 2	• 1	ព្	• 0			3.5	14.1
	w	• 8	1.1	. 8	. 6	2	• 1	'n	.0				3.6	8.0
	WNW	. 8	1.2	1.0	. 7	• 2	. 1	•0	•0				4.1	3.0

TOTAL NUMBER OF OBSERVATIONS 16903

USAFETAC FORM 0-8-5 (OL-A) previous editions of this form are obsolete

ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

U S AIR FORCE

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in Jaquary 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where meanimum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared;
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

VALUES FOR MEANS AND STANDARD DEVIATIONS DO NOT INCLUDE MEASUREMENTS FOR INCOMPLETE MONTHS

F

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

 This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".O" represents one or more occurrences amounting to less than .O5 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2) , sums of values (ΣX) , means (X), and standard deviations (σx) . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
 - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine method for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

PSYCHROMETRIC SUMMARY

ETGOL HAUI OPTICAL SITE HI NORTH TOWER 78-85
STATION NAME YEARS

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp.						WET	BUL B	TEMPER	ATURE	DEPRI	SSION	E)						TOTAL		TOTAL	L. S. 1./
(F)	0	1 - 2	3.4	5 - 6	7.8	9 . 10	11 - 12	13 . 14	15. 14	17 - 18	19 . 20	21 . 22	23 . 24	25 . 24	27 . 28	20 . 30	> 21	D.B./W.B.	Dev Bulb		Daw Pai
5 / 49	<u> </u>	, <u>-</u>		0.0		7.10		13 14	13 - 10	17 1 10	1.2		****		127 - 24	27 - 30	1		D. 7 DO. 0	W41 D010	
45/ 47						ļ	j			1.2		i		1			1	1 1	1		
46/ 45		 					ļ	ļ	2.4					 	 	 	 	ļ <u>Ł</u>		 	ļ
44/ 43		3.7					1 2	2.4	2 . 4	1.2				1			l	3	י ו		
42/ 41		3 .	 			 	1.2	4 3	14.6	100		 		 	 	 	 -	12			
4 / 39			1 7	, ,	, ,	, ,						ļ .		l	1		1	17		3	
39/ 37		 	1 7	2 1	3 7	3.7	307	4.9	102		ļ			 	ļ	 	ļ	16			
20/ 35			1.2	2.4	3.7	3.7	2.4	***						Ĭ		ŀ	İ	18	18		
33		 	1.2		3 . /		404	1.2			 			 	├	}	 				
72/ 31	1.5	1.2			, ,			1.04						1	1			2	2	5	
3 / 29	1.2	102	1.2		1.2					 					 	 	 			- 6	
26/ 27	(• 2	İ	1.4											1				2] 2	13	
25/ 25		 			-					ļ				 	 	 	 		 	2.3	
24/ 23															1	1	4		1	25	ſ
2/ 21			 							 	 -			ļ	 	 	 	 		5	
1/ 15											ļ .			1	ĺ			İ	İ	1	
15/ 15											 			 	├	ļ	-	 			
14/ 13											1			}				l			
14/ 11			+							├				 	 		 	 	ļ		
				1						1					İ	ļ	1				
11/ 5 5/ 7		·								 				 -	 	 	 	 	<u> </u>		
		1		i										-			1				
e / 5															 		 				
1 1														1	1	i i	l				
./ -1														 -	 	 					
-4/ -5			į																		
-6/ -7										 				 	 	 -	 				
-6/ -9			l i												1						
- 0/-11														 	 	 					
12/-13																	1				
-14/-15			- 				-							 	 	 	 				
-16/-17																					
2/-23				-										 	<u> </u>	 					
- 4/-25				ļ										-		1					
Element (X)		ZX1			Σχ	T-1	X		$\neg \neg$	No. Ob	s. T				Mean	No. of H	outs with	Temperat	ture		
Rel. Hum.			$\neg \neg$			1-			$\neg \vdash$			≤ 0 1		≤ 32 F	≥ 67		73 F	> 80 F	≥ 93 I	F	Total
Dry Bulb						_			\dashv						 	<u> </u>	·•·	- 	1		
Wet Bulb									-				_		 			 	- -		
Dew Point						+							\dashv							-	
															<u> </u>						

AC FORM 0.26-5 (OLA)

VETAC FORM 0.26.5

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 30001 MAUL OPTICAL SITE HI NORTH TOWER WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.S./W.B. Dry Bulb Wet Bulb Dew Paint - "0/-"; -:6/-29 - 12/-33 -34/-35 -36/-37 -38/-39 -4-1/-47 -48/-49 TOTAL 2.4 4.9 6.1 3.7 9.8 4.914.424.424.4 3.7 ĝ No. Obs. Mean No. of Hours with Temperature Element (X) 2280 12226 82 ≤ 32 F ≥ 80 F ≥ 93 F Rel. Hum. 147185 3643 91 5 . 1 Dry Bulb 66515 82 82.8 Wet Bulb

PSYCHROMETRIC SUMMARY

STATION STATION NAME TOWER 78-80 YEARS MONTH

PAGE 1 0300-0500

Temp.						WET	BULB 1	EMPE	ATURI	DEPR	ESSION	(F)		122 -			1 22	TOTAL	1	OTAL	_
(F)	0	1.2		5 . 6	7 . 8	9 - 10	11 - 12	13 - 14			1 19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 · 30	* 31	ν.ο./ π. ο .	Dry Bulb W	of Bulb	00
46/ 4		1.2	i		!				1.	4					i		!	2	4		í
44/ 4		1.2					1.2	1.7	1.	1.	٩	ļ		<u> </u>			ļ	5		4	<u></u>
42/ 4		1.2	4			1.2	1.2	4 . 8	10.	4		1						16	18	1	ĺ
60/ 3	9		ļ	2.4		3.6	4.8	9.6	4.	1	ļ	<u> </u>					ļ	21			_
30/ 3		į	1.2		2.4	1.2	1.2	12.0	1			[18	18		ĺ
>11/ 3			2.4	!	3.6	2.4	2.4	1.			<u> </u>	 		ļ				10	19	1	_
31/3	3 1.	2 2.4	1.2			1.2					1	Ì					1	7	7	5	į
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Rel. Hum.	_							<u> </u>	$\neg \uparrow$			≤ 0	F	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F	T	To
Dry Bulb									$\neg \vdash$			·	$\neg \vdash$			_				1	_
Wet Bulb				 		$\neg \vdash$									1	_		1	1	_	-
Dew Point	_			 				 	-+-						 			 		+	_

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 78-80 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) (F) - 2/-23 -74/-25 -20/-29 - 1 /-31 - 12/-43 1.2 7.2 4.8 8.4 7.2 9.613.328.918.1 1.2 TOTAL 83 83 No. Obs. Mean No. of Hours with Temperature Element (X) 133635 2539 30.626.125 ± 32 F ≥ 73 F ≥ 93 F 141:24 3586 39.0 3.703 92 Dry Bulb 4.0

83

82.9

88.5

93

43.7

27.9 4.192

2314

FORM 0-26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS FO

Wet Bulb

Dew Point

65954

PSYCHROMETRIC SUMMARY

-,0001 MAUI OPTICAL SITE HI NORTH TOWER
STATION HAME 78-80 YEARS 1 7670-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.26 29.30 23.1 D.B./W.B. Dry Bulb Wet Bulb Dew Point 44/ 47 45/ 45 44/ 43 3.7 6.1 1.2 4 / 39 1.2 38/ 37 1.2 1.2 36/ 35 1.2 2.4 34/ 53 72/ 31 1.2 1.2 5 / 29 28/ 27 34/ 1.2 1.2 16/ 15 1 1/ 11 81 -1./-13 - 6/-17 Meen No. of Hours with Temperature 50 Element (X) Rel. Hum. 267 F 273 F 260 F 293 F Dry Bulb

GLOB	AL	CLIMA	TOLOGY	BRANCH
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PSYCHROMETRIC SUMMARY

STATION	• • • • • • • • • • • • • • • • • • • •			5	TATION N	AME	, , , , ,	1 TOWE	<u>. ^</u>	78-	อน			Y	EARS						HTH
																		PAG	E 2	HOURS () - (18 (
Temp.								TEMPERA										TOTAL		TOTAL	
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- 2/-23																	<u> </u>				
24/-25															1		ŀ			1	
-78/-29																					
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tel. Hum.			65)B		24			25.82			82	≤ 0 F	1	32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F	, ,	Total
ry Bulb			.116		35			4.25			91			5.1							9
Vet Bulb			53.4		55			4.4			82		1	81.7							5
Dew Point		2	3593		2	51	3.1	18.53	4		82	39.	7	36.2				1			9

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 10001 MAUI OPTICAL SITE HI NORTH TOWER JAN STATION PAGE 1 0900-1100 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 4/ 53 1.4 50/ 49 2.4 42/ 47 45 2.4 U 4 . 8 621 2.4 3.€ 2.4 4.9 0 351 37 1.2 2.4 2.4 2. 35 3.6 3.6 34/ 33 3/ 2.4 1.2 19 25 15/ 24/ 23 72/ 21 13/ 17 ,4/ 13 11 -- /-11 Mean No. of Hours with Temperature USAFETAC ≥ 93 F Rel. Hum. ± 0 F ≤ 32 F ≥ 67 F ≥ 73 F 2 80 F Dry Bulb Wet Bulb Dew Point

C.

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 78-80 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -24/-25 TOTAL 3.410.8 7.2 4.8 6.416.9 9.413.316.9 8.4 2.4 83 (OLA) Mean No. of Hours with Temperature 189489 Rel. Hum. 3199 38.528.412 83 ≤ 0 F ≤ 32 F 267 F 273 F 280 F 293 F 3722 4.2 Dry Bulb 158742 41.8 5.208 89 82228 2592 31.2 3.946 83 68.3 Wet Bulb 86. Dew Point 26.9

PSYCHROMETRIC SUMMARY

UDD1 MAUI OPTICAL SITE HI NORTH TOWER 1200-1400 HOURS (L. S. T.) PAGE 1 WET DULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Paint 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | > 31 (F) 1.2 4/ 53 1.4 527 51 1.2 1.2 3.7 5 / 49 2.4 40/ 47 1.3 40/ 45 1.3 2.4 3.7 8.5 1.2 44/ 43 3.7 3.7 42/ 41 2.4 2.4 1.7 1 // 39 4.9 35/ 37 2.4 1.7 1.2 2.4 2.4 75/ 35 2.4 1.2 34/ 33 1.2 1.2 32/ 31 7 / 29 3.7 "u/ 25 24/ 23 :2/ 71 18/ 17 14/ 13 6/ 1 -:/ -4/ -5 -t/ -2/ -9 - . 1/-11 Mean No. of Hours with Temperature Element (X, Rel. Hum. ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 1 32 F Dry Bulb Wet Bulb Dew Point

AC ACC CLA) RIVER REPORTED OF THIS FOR

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 78-80 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.8-/W.8. Dry Bulb Wer Bulb Dew Point 2-2 8-5 7-3 2-4 11-0 17-1 8-5 7-3 20-7 11-0 4-9 88 88 82 TOTAL 9 0.59.5 No. Obs. Mean No. of Hours with Temperature Element (X)

82

88

82

± 0 F

≤ 32 F

5.3

49.9

83.9

36.325.170 43.6 6.382

2978

3841

2659

267 F 273 F 280 F 293 F

93

93

USAFETAC

Rel. Hum.

Dry Bulb

Dew Point

159470

170869

87466

29271

MAUL OPFICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) *4/ 53 1.2 \$27 51 5 / 49 1.2 4.7 1.2 1.2 4. 48/ 47 3.5 5.9 46/ 45 1.2 1.2 8.2 2.1 44/ 43 42/ 41 1.4 2.4 1.7 4 / 39 2.4 35/ 37 1.2 1.2 1.4 36/ 35 34/ 33 2.4 1.2 2.4 72/ 31 1.2 1.2 1.2 78/ 27 26/ 25 24/ 23 2/ 21 17 14/ 13 1./ 11 9 31 4/ 21 -:/ -6/ -7 -8/ **-**9 -12/-13 Element (X) ΣX1 Mean No. of Hours with Temperature < 32 F Dry Bulb Wet Bulb

G 4519 ~ ~ USAFETAC 1988 0.26-5 (OL

Dew Point

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MAUI OPTICAL SITE HI NORTH TOWER

STATION NAME

10001

STATION

PSYCHROMETRIC SUMMARY

JAN MONTH

PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -14/-15 TOTAL 3.5 5.9 4.710.610.612.915.316.512.9 3.5 85 X 7x 32.123.825 42.1 5.929 3..5 3.718 Element (X) Mean No. of Hours with Temperature 2730 3833 Rel. Hum. 135364 85 ≤ 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 7.2 Dry Bulb 164613 91 93 8.141 2591 Wet Bulb 85 67.8 93 Dew Point 85 90.8

M 0-26-5 (OLA) REVISED MENIOUS EDITIONS OF THIS

JSAFETAC FORM 0.26-5 (C

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 78-89 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 44/ 47 7.2 46/ 45 1.2 3.6 7.2 44/ 43 6.0 9.6 6. 7.2 1. 42/ 41 4 / 30 33/ 37 2.4 1.2 1.2 3// 35 1.2 34/ 33 2.4 1.2 72/ 31 3 / 29 1.2 1.2 28/ 27 1.2 26/ 25 24/ 23 12/ 21 18/ 17 16/ 15 14/ 13 7 6/ 6/ 4/ -14/-15 Element (X) Rel. Hum. ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 78-86 1800-2000 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point - (°/-19 TOTAL 4.ध 4.8 6.0 6.0 4.A 3.6 9.631.319.3 9.6 €. 83 83 C C C <u>б</u> 0.26-5 Element (X) Mean No. of Hours with Temperature 132921 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 2479 29.926.796 83 ≤ 32 F 1445 3 3561 40.0 4.795 89 10.4 Dry Bulb 67421 2353 2.953 Wet Bulb 83 80.7 39.6 19168 Dew Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 78-80 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Buib Wet Buib Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 5 / 40 2.4 42/ 47 46/ 45 3.6 2.4 44/ 43 1.2 1.2 8.3 1.2 3.6 7.1 2.414,3 3.6 42/ 41 11 4 / 39 6.0 1.2 38/ 37 2.4 76/ 35 3.6 34/ 33 2.1 32/ 31 29 3 ./ 2.4 1.2 1.2 28/ 27 1.2 26/ 25 24/ 23 :2/ 21 18/ 17 16/ 15 14/ 13 12/ 11 4/ 5 -1./-13 -14/-15 - .6/-17 -18/-19 Element (X) Mean No. of Hours with Temperature Rel. Hum. ×67 F × 73 F × 80 F × 93 F 5 0 F ≤ 32 F Dry Bulb Wet Bulb

PSYCHROMETRIC SUMMARY

10001 MAUI OPTICAL SITE HI NORTH TOWER 78-80 STATION STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31

D.B./W.B. Dry Bulb | Wet Bulb | Dew | Point (F) -> /-?1 - - 2/-23 -?6/-27 -^2/-33 -46/-47 TOTAL 2.4 7.1 6.0 6.0 8.315.522.622.6 9.5 84 ZX ΣX2 No. Obs. Meen No. of Hours with Temperature Element (X) 2371 Rel. Hum. 126615 28.226.817 84 ± 0 F ≤ 32 F ≥ 47 F = 73 F = 80 F = 93 F 142898 39.5 4.647 3562 8.3 Dry Bulb 90 27.8 3.552 Wet Bulb 66177 2339 84 84.1 93 Dew Point 27539 84 87.5

PSYCHROMETRIC SUMMARY

	MAUI OPTICAL SITE HI NORTH TOWER	78-80	JAN
STATION	STATION NAME	YEARS	MONTH
		PAGE 1	ALL
			HOURS (L. S. T.)

																					L. S. T.)
Temp.		r						EMPER						1	T	1		TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14			19 - 20	21 - 22	23 · 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pein
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\$27 51							• 4	• 3				 		ļ				16			
5 / 49	İ					• 5	• 2		• 8									22	23		ĺ
18/ 47			j		• 5			• 2	404									27	39		
45/ 45		• 3	• 2	• 2		• •	• 5	1.5	3.8									56	78	1]
44/ 43		1.7			• 6	• 5	•9	2.4	֥5									75	91	3	1
42/ 41		• 9	. 2		• 5			3.9	6.5									104	110	11	8
4./ 39				1.4	1.4		3,2	6.9						1				130	130		
38/ 37	• 3		• 8	1.5	2.	1.7	3.9	3.6										95	95	13	7
36/ 35		1.1	1.5	.6	1.7	1.4	2.7	. 8										59			
34/ 33	• 8		• 5	• 3	• 5	• 9	• 3	• 3										28	28	68	12
72/ 31	• 6	- 6	. 3	3		. 5	.3											21			
3 / 29	• 6		. 9	• 3	• 2													15	15	126	
78/ 27	. 3		• 6			7												9	9	141	
26/ 25		• 2										1 1						1	1	131	14 22
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-12/-13																					19
Element (X)		Σχ²			ξχ		¥	₹		No. Ob	6.				Mean N	io. of Ho	urs with	Temperat	ure		
Rel. Hum.												≤ 0 F		32 F	≥ 67	F 2	73 F	≥ 80 F	≥ 93 1	F	Total
Dry Bulb																1					
Wet Bulb																		1			
Dew Point																					

MAUI OPTICAL SITE HI NORTH TOWER

F0001

PSYCHROMETRIC SUMMARY

STATION				5	TATION N	AME								YE	ARS					МО	NTH
																		PAG	E 2	HOURS	LL S. T.)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)		***************************************				TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	× 31	D.S. W.S.	Dry Bulb	Wet Bulb	Dew Pe
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6/-17									1												1
7-19												i i							<u> </u>		
1-21																		,			
7-23							i -			i									<u> </u>	i	
1-25]																			
1-27							†	1		†	t							·	 		T
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1-33											İ	1 1									
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		Σχ²			ZX		X	₹		No. Ob	8.				Meen N	lo. of He	urs with	Tempere	etute		
ent (X)		112	6452		21"	72	31.7	26.2	75		64	≤ 0 F		32 F	≥ 67	F 2	73 F	≥ 80 F	≥ 93	•	Total
						_	100 6	8 0	0.0	-	23			44.0					 		
Hum.		120			292		4 0	5.7	77	- 1	21		1	49.5		1		ļ	1	1	74
ent (X) Hum. Bulb		58	9250 12.0 31.5		292 194 36	48	29.3	4.1	80		64		5	98.3					-		74 74

FORM 0.26-5 (OLA) REWISED

SAFETAC FORM A

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 79-80 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 5 / 40 481 47 2.4 4.0 46/ 45 1.4 44/ 43 7.2 4 1 421 2.4 1.6 1.6 39 2.4 1.6 3.2 3.2 33/ 37 1.6 3.2 1.6 5.4 18 26 3.2 4.0 35 3.2 • 8 34/ 33 1.6 1.6 1.6 "2/ 31 29 17 ? E / 27 25 151 16 6 76/ 23 2/ 21 8 19 18/ 17 14/ 13 ٤/ -8/ -9 /-11 -1:/-13 -14/-15 -10/-17 - 1-21 ΣX, ZX Mean No. of Hours with Temperature No. Obs. Element (X) Rel. Hum. ≤ 0 F ≤ 32 F 267 F 273 F 280 F 293 F Dry Bulb Wet Bulb Dew Point

AC FORM 0-26-5 (OLA) BENTED MENOUS EDIT

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AFETAC FORM A.S.

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 1 0001 MAUI OPTICAL SITE HI NORTH TOWER PAGE 2 0008-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 23 1 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) -241-27 -28/-39 -32/-33 -34/-37 -4 /-41 TOTAL 5.424.0 3.211.2 8.8 3.210.412.8 7.2 9.6 158 125 125

No. Obs.

158

125

10F

s 32 F

10.1

53.1

49.136.068

38.5 4.571

37.9 6.200

11.624.303

6137

5999

3558

Mean No. of Hours with Temperature

≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F

(OL A)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

462613

231 153

12394"

PSYCHROMETRIC SUMMARY

TOOL MAUL OPTICAL SITE HI NORTH TOWER 79-80 FEB

STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500

Temp.						WET	BULB '	PEMPER	ATURE	DEPRE	5510N (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24	25 - 26	27 - 28	29 - 30	231	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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22/ 41		2.5		3.3	1.6	. 8	• 8	1.6	4.5	ĺ								19	19	3	
4 / 30	1.6	5.7	. 8	1.6	2 . 5	.8		. 8	2.5									20	27	. 6	
3 4/ 37	1.6	3.3	.8 1.6	• 8	1.6	• 8	. 8	4.5										19	31	10	
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Rel. Hum.		<u> </u>			<u> </u>	+				10. 0.	-	± 0 F	т.	32 F	≥ 67		73 F	≥ 80 F	¥ 93	F .	Total
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Wer Bulb						_		 	-		-+			·				 	- 		
Dew Point																		 			

AFETAC FORM 0-26-5 (OLA) REVISED H

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 7601 79-83 STATION NAME 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) - 18/-27 - 18/-29 -- /-31 - 1/-35 -34/-35 -4 /-41 TOTAL 7. 725.4 7.4 8.2 5.7 2.5 7.410.7 9.813.9 156 122 122 Mean No. of Hours with Temperature No. Obs. Element (X) 49.436.857 38.7 4.593 31.4 5.660 11.924.123 6023 461719 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 122 ≤ 32 F Rel. Hum. ≤ 0 F 237436 6544 156 7.1 Dry Bulb 84 124427 3835 50.3 Wet Bulb 122 84 60. 87646 145 Dew Point 84

FORM 0.26-5 (OLA) revised metvous EDIT

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 0001 FEB 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231

D.B./W.B. Dry Bulb Wet Bulb Dew Pain (F) 5 / 40 33/ 47 5.6 04/ 43 42/ 41 2.4 4.0 2.4 8 . 1 35/ 37 2.4 1.6 1.6 4., 35/ 35 2.4 34/ 33 4.8 12/ 31 20 20/ 27 25/ 25 24/ 23 2/ 21 10/ 17 u/ 13 1. / 11 8,1 -14/-15 Mean No. of Hours with Temperature Element (X) ≤ 32 F Rel. Hum. Dry Bulb Wet Bulb

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PSYCHROMETRIC SUMMARY

POD1	<u>M/</u>	UI C	PTIC	AL S	ITE	HI N	IORTH	TOW	ER	79-	-80				EARS					F	EB
3121.014				-														PAG	E 2	_	7-0800
Temp.						WET	BULB '	TEMPER	ATURE	DEPR	SSION	(F)				*****		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 2	2 23 - 2	4 25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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-34/-35 -36/-37		ļ										ļ	 			ļ		ļ		 	2
-36/-39																				·	1
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Element (X)		Σχ²	<u>'</u>	-	ZX	┪	X	• _x	' 	No. O	8.				Meon	No. of H	ours wil	h Tempere	ture	<u> </u>	<u></u>
Rel. Hum.		47	3622			186	49.5	36.6	28		124	⊴ (F	± 32 F	2 67	F	73 F	- 80 F	≥ 93	F	Total
Dry Bulb			2499			01	38.2	4.4	74		57			5.0							84
Wet Bulb			245			340		5.3			124			51.5							84
Dew Point		E	6153		14	165	11.8	23.6	58		124	3	n.5	61.6	k						84

USAFETAC 0.26-5 (OLA)

PSYCHROMETRIC SUMMARY

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Temp.					****	WET	BULB T	EMPER	ATURE	DEPRE	SSION (F)				-		TOTAL		TOTAL		٦
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 2	4 25 - 26	27 - 28	29 - 30	a 31	D.8./W.B. D	ry Bulb	Wet Bulb	Dew Poi	
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28/ 27				.8										-	 							5
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Element (X)		Σχ'		<u>-</u>	EX		¥			No. Ob	. 7				Heer h	la, of b	loues wie	h Temperatu	<u></u>			Ч
Rel. Hum.		- X ·			- X		^	<u> </u>		140. 00	"	± 0 F		≤ 32 F	mean r		2 73 F	> 80 F	≥ 93 F	. 7 - 7	otal	-
Dry Bulb						+-			+-			201	\dashv	2 74 F	- 67		- /J F	- 40 F	- 73	<u> </u>	VIUI	ᅱ
Wet Bulb									\dashv						 			 	 -			\dashv
Dew Point													-		}			 	 			\dashv

SLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 16001 MAUI OPTICAL SITE HI NORTH TOWER STATION PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) - c/-19 -`/-21 - '2/-23 - 2/-33 -14/-45 11.922.911.9 6.8 4.2 4.2 4.2 7.6 9.3 6.8 9.3 118 No. Obs. Element (X) Mean No. of Hours with Temperature X

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± 0 F

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≥67 F ≥ 73 F ≥ 80 F ≥ 93 F

1900-1100 HOURS (L. S. T.)

TOTAL

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Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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41.1 5.646 34.2 5.292

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79-80 FEB 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 (F) 52/ 57 5e/ 55 54/ 53 42/ 51 48/ 47 45 45 5.1 2.5 3.3 1.7 44/ 43 42/ 41 3.3 45/ 30 · 4 · 1 3 1/ 37 3.3 • 8 21 36/ 35 33 3%/ '27 31 3 / 29 18/ 27 ^6/ 25 24/ 23 12/ 21 36/ 17 13 4, 5 Element (X) Mean No. of Hours with Temperature

FORM 0-26 5 (OL A) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OF

VETAC FORM 0.26 5 10

Dry Bulb Wet Bulb

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PSYCHROMETRIC SUMMARY

TOO1	<u>M.6</u>	UI C	PTIC		ITE		ORTH	TON	EB	79-	80		····	YE	ARS					F	EB
																		PAG	SE 2	1200 HOURS (1-1400 L. S. T.)
Temp								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Point
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TOTAL	5.6	23.1	10.7	5	9.1	5.0	9.1	9.1	7.0	8.3	5.0	1.7					ĺ	į.	157		121
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Element (X)		Σχ ²			z x		¥	₹		Ne. Ob	. T	<u>.</u>		i	Mean h	to. of H	ours wit	h Tempera	ture	<u></u>	L
Rel. Hum.			5337			87		32.7			21	± 0 ₽		32 F	≥ 67		73 F	> 80 F	≥ 93	F	Total
Dry Bulb			5164			46		5.8			57	- , ,		• 5				T	+ **	-	84
Wet Bulb		18	2654		4.3	86	36.2	5.5	31		21		_	19.4		\dashv					84
Dew Point			4432			58	21.1	20.4	35		21	13		50.0							84

PSYCHROMETRIC SUMMARY

TOT: MAUI OPTICAL SITE HI NORTH TOWER 79-80

STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700 HOURS (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	25 - 26	27 - 28 2	29 - 30	a 31	D.B./W.S.	Dry Bulb	Wet Bulb (Dew P
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14/ 43		7.5		• 8	. 8	5.		. 8	1.7									23	24	12	
12/ 41		7.5		2.5	• 8	2.5			• 8			i			}			18	22	7	
1 / 30	1.		1.7			<u>• 8</u>			2.5									13			
30/ 37	1.		2.5			• 8	1.7				j	,			1	j		12	19		
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ry Bulb												·		}							
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AFETAC FORM 0.26-5 (OLA) REVISED REVIO

PSYCHROMETRIC SUMMARY

39031 MAUI OPTICAL SITE HI NORTH TOWER 79-80 FEB
STATION STATION NAME VEARS MONTH
PAGE 2 1500-1700

										2222								TOTAL		TOTAL	
Temp.			-	r <u></u>		WEI	BULB '	EMPEN	ATUKE	DEFRE	331UN ((F)	100 00	Tan a	100 00	100 00			Dec Bulk		Dew Point
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 21	27 - 30	2 231	V.02 H.D.	Dry Bulb	Wet DOID	Dew Point
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Rei. H .n.			0143			51		34.7			27		<u> </u>	≤ 32 F	≥ 6	<u> </u>	≥ 73 F	> 80 F	≥ 93	-	Total
Dry 'sulb			3.,456			67	4401	5.4	41		156		_	3.6				ļ			84
Wet Bulb			4547		4 6	255	35.5	5.5	22		20			22.0	1			↓	+		84
Dew Point		1.0	4169	ļ	23	142	17.5	22.1	. 64		120	1 8	1.2	49.	Л			1	1	1	84

NOTA 0-26-5 (OL A) ...

JSAFETAC FORM 0.2

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PSYCHROMETRIC SUMMARY

STATION	MA	UI O	PTIC	AL S	ITE	HI N	ORTH	TOW	<u>ER</u>	79-	-80			Yı	EARS					F	E B
																		PAG	Ε 1	1800	1-2000 L. s. T.)
Temp.						WET	BULB T	EMPER.	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	> 31	D.B./W.8.	Dry Bulb		Dew Paint
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5 / 49										ع و								3			
48/ 47										• 8								1	1		
45/ 45		• 8									<u> </u>	<u> </u>		 _			<u> </u>	2	2		
44/43		5.0					1.7	2.5 3.4	3.4					ŀ				16	16		3
12/ 41	• 8	70.9	, ,	1.7	1.7		2.5	3,4	<u> 5 • 1</u>					-	ļ	ļ	 	31	33		17
38/ 37	ა•4 •8	3.4	1.7	۲۰۶ 8	2.5	1.7	8•	3.4	1.7									26	30 21	_	
71/35	3.4	1.7	2.5			8.	1.7	2.5						†			1	15	22		<u>8</u> 5
34/ 33		3.4			. 8	. 8							_					8	16	ŀ	5
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-16/-17			i I																		1 4
Element (X)		Z X 2			ž x		<u>x</u>	7,		No. OL	s. T			<u> </u>	Mean I	No. of H	lours wit	h Temperat	ure	L	
Ret. Hum.		 -			-:-	_			_			± 0 1	•	± 32 F	≥ 67		≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79-80 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL. TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb | Wet Bu.b | Dew Point 5/-14 -/ /-21 -24/-25 -36/-27 -22/-20 -32/-33 -36/-37 -4 /-41 -112/-43 7. 428. 6 9. 2 5. d 5. d 4. 2 8. 414. 310. d 1. 7 2. 5 119 (OLA) 0.26-5 Mean No. of Hours with Temperature Element (X) 496780 119 157 Rel. Hum. 53.835.959 267 F 273 F 280 F 293 F 6400 ≤ 32 F 237754 6074 38.7 4.209 Dry Bulb 6.4 84 13 .959 41.6 Wet Buib 3881 32.6 6.327 119 84 96387 Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIF WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79-82 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 5 / 40 46/ 47 46/ 45 6.7 44/ 43 3.3 7.5 4.2 41 1.7 5.8 24 3.3 38/ 37 2.5 8.3 30/ 35 34/ 33 • 8 3.3 3: 20 2.5 201 15/ 25 247 23 72/ 2: 181 17 15 1 7 11 01 4/ -4/ -6/ - · /-11 -1-/-13 -14/-15 - 6/-17 -18/-19

Element (X)

Rel. Hum.

Dry Bulb

Dew Point

Mean No. of Hours with Temperature

≥ 67 F ≥ 73 F

≤ 32 F

≤ 0 F

≥ 80 F ≥ 93 F

GLOPAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 10001 79-80 YEARS STATION STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 × 31 D.B. W.B. Dry Bulb Wet Bulb Dew Paint 2/-23 -20/-25 - 6/-29 - 7 /-31 -: 1/-33 - 1 /-41 -12/-43 5. 28.3 9.210.0 5.0 8.3 2.514.211.7 5.0 120 120 8 õ 0.26.5 Element (X) No. Chs. Meen No. of Hours with Temperature 458731 6103 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 50.935.307 120 5 0 F ≤ 32 F 235239 38.1 4.335 31.7 5.348 160 6:95 Dry Bulb 8.4 84 124276 Wet Bulb 3798 120 48.3 84 93819 Dew Point

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER STATION HAME նեն ՝ PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 15/ 57 5-/ 55 4/ 53 12/ 51 r, / 4c 1.2 25 40/ 47 57 41/ 45 2.6 85 86 13 **44/ 43** 127 12/ 4. 134 153 48 55 25 104 3 / 37 3.1 131 196 92 66 16/ 35 34/ 33 121 107 12/ 31 98 5 / 27 . 6 . 2 12 112 28 28 / 27 82 38 5/ 25 84 34 '4/ 23 2/ 21 36 17 1) 17 20 1' +/ 13 14 :/ 13 16 Mean No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. ≤ 0 F ≤ 32 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

JAM 0-26-5 (OLA) REVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSC

AFETAC FORM 0.3

PSYCHROMETRIC SUMMARY

<u>. ^</u>001 MAUI OPTICAL SITE HI NORTH TOWER 79-80 STATION STATION NAME PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 3 . 4 5 - 6 7 - 8 9 . 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 * 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) -- /-11 19 -1./-13 -14/-15 14 -18/-17 - 8/-19 19 -. /-21 - 2/-23 - 14/-25 - 10/-27 -, 1-29 - 1 /- 51 - 1/-33 -34/-35 -36/-37 - " / - 39 -0 /-41 -12/-43 -04/-45 TOTAL 7.926.2 8.7 6.9 6.1 5.7 6.710.8 9.4 8.0 2.9 969 1256 969 969 Element (X) No. Obs. Mean No. of Hours with Temperature 49777 3775351 51.435.477 969 ± 32 F 39.7 5.258 1256 Dry Bulb 2.16372 49896 41.7 1 841 11 31885 32.9 6..06 969 317.6 Wet Bulb 672 14842 969 2.7.4 452.2 Dew Point 672

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PSYCHROMETRIC SUMMARY

8901	MAUL OPTICAL SITE HI NORTH TOWER	79-80	MAR
STATION	STATION NAME	YEARS	MONTH
		PAGE 1	0000-020

																					L. S. T.)
Temp						WET	BULB	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	In. D.
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16			21 - 22	23 . 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Buib	Dew Poi
5 / 49							ز		!	1.5	ł							2	2		
43/ 47										• 7	ļ					<u> </u>		2	2		-
40/ 45							2.9											11			
+4/ 43				• 7				3.6	7.	• 7								18		ļ	
62/ 41		1.5		2.2	• 7	4.4	1.5	6.6	5 • 8									31		1	
30/ 37	-,-	4.4	.7	, ,	• !	4.4 3.6 2.9	5.1	9.5	5 . 8			-						41		,	
	1.0	2.2		1.5	• !	2.9	• 1	2.2										16	16	11	1
34/ 33		1.5	1.5	1.5	• 7	.7				 								<u> </u>			
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11 25																				23	1
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16/ 15						-											<u> </u>	<u> </u>	ļ		
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-14/-15																					
-1-17																					
- 1/-19																					
Element (X)		ΣX,			z _X		X	•,		No. Ol	8.						ours wit	h Tempera	ture		
Rel. Hum.												± 0	F :	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb]				L						
Wet Bulb																					
Dew Point																					

PSYCHROMETRIC SUMMARY

00001 MAUI OPTICAL SITE HI NORTH TOWER 79-80 MAR STATION 7000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) - 12/-23 -24/-25 - 10/-23 -34/-35 -35/-37 -42/-43 -1.6/-47 -42/-49 7.917.9 2.2 5.8 2.912.413.925.519.7 3.6 137 137 137 C ã Ó 0.26.5 70 E Element (X) Mean No. of Hours with Temperature C) C) USAFETAC 258004 4500 37.828.465 137 s 32 F 226271 5547 40.5 3.513 137 Dry Bulb 1.4 93 29.8 4.231 5.321.138 70.6 124359 4 167 93 Wet Bulb 137 54162 137 82.8

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER gon (MAR 79-83 STATION 0300-0500 HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 5 / 45 4c/ 47 1.5 2.9 5.1 3.7 4. / 45 1.5 4.4 11 "4/ 43 2.9 1.5 12/ 41 3.7 8.1 6.6 5.7 2.2 4.4 40 40 41/39 2.9 31/ 37 2.9 10 35 34/ 33 3! 7 / 20 25/ 27 21 21/ 25 247 23 .21 33 1 10 10/ 17 15 13/ 13 8 11 c - 1-11 -1./-13 -1-/-15 Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ± 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

AC FORM 0.26-5 (OLA) REVISE

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 79-80

PAGE 2

0300-0500

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
11/-25		+				- ''	 	<u> </u>		1							 	†			
-75/-27		1						1													
-78/-79		 			·		 		···									 			
/-31										[.											
-30/-37		 			 			 		 		 					 	 			
-38/-39) '					1	1		1		1 1					}				1
-1.2/-43		 -			 		 		-	 		 						 			
-4./-47								İ									1				
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Element (X)		Σχ'			ZX		X	₹		No. Ob					Mean I			h Tempera	ture		
Rel. Hum.			5912			36	31.5	28.2	41		36	≤ 0 F		≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 1	:	Total
Dry Bulb			4000			20		3.6			36			•7							9
Wet Bulb		12	65 37			09	30.3	4.2	52		36			68.4							9
Dew Point		5	5857		7	81	5 • 7	19.5	67	1	36	36	. 9	82.1							9

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PSYCHROMETRIC SUMMARY

| MAUI OPTICAL SITE HI NORTH TOWER | 79-80 | MAR | STATION NAME | YEARS | MONTH

PAGE 1 <u>0600-0800</u>

																		,			L. S. T.)
Temp.								EMPER						,				TOTAL		TOTAL	,
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12					21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
40/ 47	l		l	-					1.5						l			8	R		
46/ 45					• 9		3.0		5.3	1.5								21	21		
14/ 43	- (1.5	· ·			8.	. 8		8.3	Į					. [21	21		Į.
12/ 41		• 8			2.3	1.5	2.3	9.8										31	31		3
4 / 39	• 8	6.1		ļ		2.3	4.5	4.5	• 8	.								25			•
30/ 37		2.3		•8		1.5		2.3										17	17	1	6
36/ 35	• 8			• 8			• 8											3	4	4	8
34/ 33				8			• 8	<u>•3</u>										3	3	14	3
72/ 31						8 •		Į										1	1	15	
7 / 23					• 5	• 8											ļ	2	2	25	
281 27		į	į																	38	4
25/ 25						<u> </u>											<u> </u>			1	3
21/ 23		Ì	ĺ					- {									ŀ			1 4	1
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Element (X)		Σχ'			ZX	`'	X	₹	7	No. Ob	s. I				Mean I	to. of H	ours wit	h Tempera	ure		·
Ret. Hum.									$\neg \vdash$			± 0 f	. -	32 F	≥ 67		73 F	≥ 80 F	> 93	F	Total
Dry Bulb						\dashv			_				_	- 		_		1	1		
Wet Bulb									_				_					 	 		
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PSYCHROMETRIC SUMMARY

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																	PAG	E 2	0600 HOURS (L	-080 . s. t.)
Temp.		·						EMPER.									TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 -	26 27 - 2	8 29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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26/-29														L						
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721-33																	1			
30/-37																				
1-7-39																				
4 /-41																	İ			
5/-43										<u> </u>					-	 	 			
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Element (X)		Σx²			Σχ		X	7 ,	$\neg \neg$	No. Ob	•.			Mea	No. of	Hours wi	h Tempere	ture		•
Rel. Hum.			00c2			08		27.9	33		32	± 0 F	± 32 F			≥ 73 F	≥ 80 F	≥ 93	F 1	Total
Dry Bulb	-		9485			1	41.4	3.6	86		33		2							. 9
Wet Bulb			3566		39	96		4.4			32		68	. 3						- 4
Dew Point			3 ,54		Į.	34		21.4			32	37.	3 78	. 9				\top	\neg	5

AC FORM 0-26-5 (OLA)

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PSYCHROMETRIC SUMMARY

TOTAL MAUL OPTICAL SITE HI NORTH TOWER 79-80 MAR
STATION STATION NAME YEARS MONTH
PAGE 1 0900-1100

Temp.						WET	BULB '	TEMPER	ATUR	TPRE	SSION	(f)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	¥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
4/ 53								• 8			}							1	1		
52/ 51								. 8										4	. 4		
5 / 42						1	3.1	3.1	7.5	3.								21	21		
48/ 47						. 5		2.3	6.2	10.1								28	28		
46/ 45		1.6				• 8		4.7	6.2	2.3	•							26	26		
14/43		2.3	3.1			• 8	1.6	3.9	1.6									17	17	Ĺ	<u> </u>
12/ 41		5.4		• 8		3.1		1.6]						19	19	,	6
1, 1 77	• 6					. ₹	2.3	!									ļ	6	6	1	3
30/ 37		•8						[l								1	. 1		7
1/ 35	• 8	1.6				ļ						11					ļ	4	4	1	1
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-10/-17						<u> </u>											L		L	<u>L</u> .	
Element (X)		Σχ'			Z X		X	₹ x		No. Ol	8.				Mean N	lo. of H	ours wil	h Tempera	ture		
Rel. Hum.												± 0 F		32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																					
Wet Bulb																					
Dew Point		_							_[_				1		1			1			

JSAFETAC FORM 0.26-5 (OL.A) etvised menous editions of this roa

PSYCHROMETRIC SUMMARY

| MAUI OPTICAL SITE HI NORTH TOWER | 79-80 | MAR | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MONTH | MON

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Wet Bulb			72			27	33.5	4.	06		29			44.6	1						9 9
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AC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITH

PSYCHROMETRIC SUMMARY

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Rel. Hum.		<u> </u>	\longrightarrow		<u>* X</u>	+	<u>x</u>		+	Ne. UUL	-	± 0 F	т.	32 F	Mean N ≥ 67	· · · · · · · · · · · · · · · · · · ·	Hours w 1 ≥ 73 F	th Temperat		=	Total
Dry Bulb			+			+		<u> </u>	+				+-	32 1	1-5	-+-	, /3 F	+ • • • •	- 73 .		10101
Wet Bulb				i ——		+					-		+	\longrightarrow		-		+	+	$\overline{}$	
Dew Point			\longrightarrow	,			$-\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-\!\!\!\!\!-$		\rightarrow							+		+	+	\rightarrow	

USAFETAC FORM 0.26-5 (OLA) IN

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PSYCHROMETRIC SUMMARY

Temp. (F) -1_/-13 -'d/-19 -? /-21 FOTAL	0	1 - 2	3 - 4															PAG	E ?	1200 HOURS (-146
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1_/-13		1 - 2	3 - 4			WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
7 /-19				5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew P
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Element (X)		Σχ'			Z X		X	₹		No. Ol	s.				Mean I	No. of H	ours wit	h Tempera	ture		
Rel. Hum.			3967		47	75		25.7		1	26	± 0 ₽	-	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		2.6	9243		6	39		4.0		1	27					$\neg \vdash$					
Wet Bulb			6515			53	36.1	3.9	93		26		_	19.5	 			 			
Dew Point			204	}		41		15.5			26	16		76.8				 			

FORM 0-26-5 (OL.A) REVISED MEVIOUS EDITIONS OF THIS FORM

USAFETAC FORM 0.26-5 (OLA)

PSYCHROMETRIC SUMMARY

THE MAUL OPTICAL SITE HI NOPTH TOWER 79-87 MAR
STATION STATION NAME PAGE 1 1599-1700

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 21 D.B./W.B. Dry Bulb Wet Bulb Dew Point .4/ 53 52/ 51 . 8 5 / 49 6 · 1 3 · 8 1.5 23 1.5 3.8 2.3 # 47 1.5 46/ 45 2.3 5.3 20 sq 14/ 43 62/ 41 3.8 1.5 . 8 11 4 / 39 2.3 . 8 34/ 37 .8 36/ 35 34/ 33 1 29 25/ 27 25/ 25 23 21 151 17 4/ 13 -K/ -9 /-11 /-13 Mean No. of Hours with Temperature Element (X) ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb

*** 0.26-5 (OLA) REVISED PREVI

SAFETAC "

PSYCHROMETRIC SUMMARY

20001 MAUI OPTICAL SITE HI NORTH TOWER 79-80 YEARS STATION STATICH NAME 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 -11/-17 -10/-19 -01/-27 TOTAL 3.410.7 6.9 3.1 7.d 9.214.510.724.410.7 131 131 No. Obs. Meen No. of Hours with Temperature 38.926.910 46.7 4.158 35.2 4.414 191911 ≥ 67 F = 73 F > 80 F = 93 F 5 99 131 Rel. Hum. ≤ 0 F ≤ 32 F 283421 Dry Bulb 6 92 132 145115 4615 Wet Bulb 131 27. 2237

NA 64 0.26-5 (OLA) REVISED MEY

PSYCHROMETRIC SUMMARY

1001 MAUI OPTICAL SITE HI NORTH TOWER 79-80 STATION 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.8./W.B. Dry Bulb | Wer Bulb | Dew Point (F) 2/ 51 5 / 49 40/ 47 5 • 2 2 • 2 4.4 1.5 3.0 1.5 46/ 45 14/ 43 1.5 1.5 3.7 6.7 24 24 2.2 12/ 41 3.7 0 / 30 3.1 1.5 3. 3.7 3. 50 Sq 2.2 3. 11/ 35 3.0 11 34/ 33 12/31 11 ٤ 111/27 6 1/ 25 4/ 23 c/ 21 17 21 15 5 4/ 13 1 1/ 11 9 4/ 6 6 2 -12/ --/ -7 /-11 -1./-13 Element (X) Mean No. of Hours with Temperature O TO TO TO USAFETAC Rel. Hum. ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

10001 MAUI OPTICAL SITE HI NORTH TOWER MAR STATION 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) - - /-17 -15/-19 - 1-21 - 2/-23 -26/-27 -~*/-29 7-31 -34/-35 -31/-37 2.415.6 2.2 1.5 3.713.3 6.720.727.4 6.7 135 135 Element (X) No. Obs. Mean No. of Hours with Temperature 47.1 :83123 ≥67 F = 73 F = 80 F = 93 F Total Rel. Hum. 34.929.766 135 ± 0 F ≤ 32 F 243.28 57.2 42.2 4.045 Dry Bulb 135 1.4 93 54.4 135554 4234 31.4 4.622 Wet Bulb 135 93

FORM 0.26-5 (OLA) REVISED PREVIOUS

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SAFETAC

FAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

267 F = 73 F = 80 F = 93 F

Total

are the secret programmed !

≤ 32 F

≤ 0 F

PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 5 / 40 1.5 48/ 47 6 . . 114 45 3.0 2.3 13 44/ 43 4.5 42/ 4, 4.5 2.3 6.8 6.8 30 30 0 / 39 1.5 3.0 3.8 6.1 6.8 3 1/ 37 2.3 1.5 3.,7 2.3 3.4 19 20 76/ 35 .8 2.3 1.5 1.5 34/ 33 11 . 1 3 1/ 31 2.3 27 25 6/ - 4/ 23 721 21 15 01 17 13 J / 17/11 u.I 3 -6/ -7 /-11 -14/-15 -1:/-17 Element (X) Mean No. of Hours with Temperature

79-80

USAFETAC FORM 0.26-5 (OLA) REVISEO MEVIOUS EDITIONS OF THIS FORM ARE O

Rel. Hum.

Dry Bulb Wet Bulb Dew Point GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

1 7001 MAUT OPTICAL SIT

STATION STATI

PSYCHROMETRIC SUMMARY

STATION STATION HAME TOWER 79-8F YEARS WONTH

PAGE 2 2100-2300

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 2	6 27	· 28	29 -	30 × 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pair
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Element (X)		Σχ¹			Z X	\Box	X	₹		No. Ol	s				М	ean I	No. of	Hours v	rith Tempera	sture		
Rel. Hum.		5	975			81	32.5	29.6	2		33	≤ 0	F	≤ 32 F		≥ 67	F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			2738			16	4 9	3.8	364		35			2.								9
Wet Bulb			3132			រដ		4.			33			68.								ς
Dew Point		6	4557	1	F	46	4.0	21.	75	1	33	36	• 4	81.	0					7		9

USAFETAC FORM 0-26-5 (OLA) REVISED MENOUS E

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 0001 79-80 1 PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point €. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 51/ 55 =1/53 43 1.1 43 5 / 49 2.3 16/ 47 1.9 3.7 2.9 111 111 46/ 45 135 135 44/ 43 5.7 1.5 159 159 2/ 4. 4.7 4.2 200 3.6 201 C 45/ 3 -2.6 1.9 2.6 3.7 2.4 158 159 84 33 3 1 37 71 91 11/ 35 1.3 100 46 47 32 139 33 1// 31 139 16 23 183 29 .37 25 95 14/ 23 15 26 27 21 10 32 E/ 17 1:1 15 36 13 38 1 / 11 51 44 1 36 42 51 ã 40 9 31 -:/ -4 28 FORM JUL 64 Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ≤ 32 F Dry Bulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SEPVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79-80 STATION STATION NAME HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 (F) -1 /-13 15 -10/-15 -14/-17 12 - 5/-19 1-21 - 12/-23 -: 1/-25 4 -96/-27 - 75/-29 11 -: /-31 --./-33 -34/-35 -3c/-37 11 -36/-39 -4 /-41 --2/-43 -44/-45 -4:/-47 -45/-49 -c /-S1 TOTAL 2.312.1 3.1 2.4 5.4 9.213.620.123.3 7.8 1064 1959 1059 1059 9 Element (X) No. Obs. Mean No. of Hours with Temperature 36399 2 89655 34.428.143 1059 ± 0 F ± 32 F ≥ 67 F × 73 F × 80 F × 93 F 45841 1797649 43.1 4.616 Dry Bulb 1764 9.1 744 1112225 33027 32. 4.891 424.7 1 59 Wet Bulb 744

1759

229.0 629.5

Dew Point

505914

4941

PSYCHROMETRIC SUMMARY

STATION STATION NAME PAGE 1 1000-0200 HOURS IL. S. T.)

						1000	0111 5 -			2522		5 \							T		(L. S. T.)
Temp (F)	0		• .								SSION (21 - 22	22 24	05 06	07 00	20 20	- 21	TOTAL D.8./W.B.	D. 0.15	TOTAL	
2/ 51		1 - 2	3 - 4	3 . 6	/ 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18			23 - 24	25 - 26	27 - 28	29 - 30	231		Dry Buil	WET DOLL	Dew For
40									1		2.3							1			
4 / 47						2.3			3.4	5.7	203									1	+
ac/ 45						1.1			4.5									10		1	
4/ 43			3.4	1.1	1.1			1.1						-							
12/ 41		1.1	2.3		1.1			3.4		1	1							14	1 1;	•	1
0 / 35	5.5	6.8	2.1				ļ	1.1	1.1									14	14	1	9
31/ 37	1 .				2.3	ė l		3.4	3.04									1 34		1	7
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-14/-15																		 		 	
																				1	
- /-19 - /-?1																		 		 	-
- 14/-25						İ		j										i i		l	
Element (X)		Σχ'			Σχ	ا ــــــــــــــــــــــــــــــــــــ	X			No. Ob	<u> </u>				Maga N	la af 11.		h Tempera		i	
Rel. Hum.		- <u>x</u>			<u> </u>					,10. 00		± 0 F		32 F	≥ 67		73 F	> 80 F	≥ 93	F	Total
Dry Bulb						_			_			• • • •	_			- -		- 	+ - /3	-+-	
Wet Bulb									\dashv						h	$\neg \vdash$		 	+		
Dew Point						-+-									 	-+-		 	+	-+-	

USAFFTAC

PSYCHROMETRIC SUMMARY

Temp.				-	ATTON R	ME			ER_					YE	ARS			PAG	F 2		PR ****
Temp.																			E 3		L. S. T.)
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8			EMPER					22 24	25 - 26	27 20	20 20	- 11	TOTAL D.B./W.B.	Dev. Rulls	TOTAL	Daw Ba
5/-29		1.2	3.4	3.6	7 - 8	9 - 10	11 - 12	13 - 14	13 - 16	17 - 18	17 - 20	21 - 22	23 - 24	23 . 26	27 - 26	27 - 30	- 31		DIY DOID	WAL DOLD	Dew ro
34/-35		 											ļ					ļ			
0146	5.7	11.4	14.8	11.4	4.5	8.0	2.3	10.2	15.9	12.5	3.4								88		
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lement (X)		Σχ²			E X		X			No. Ob	s.				Mean N	o. of Ho	urs wit	h Temperal	lure		
el. Hum.		25	0359		37	22	42.3	32.6	83		88	≤ 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	≥ 93 F	•	Total
ry Bulb			81 1		35	75	40.6	5.7	40		88			8.2							
et Bulb			8644					5.4 21.5			83			56.3							۶

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 3300-0560 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp TOTAL TOTAL (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 35/ 47 3.310.0 45/ 45 1.4/ 43 2.2 2.2 3.3 2.2 12 12 7.8 "2/ 41 1.1 22 1.1 1.1 1.1 4 / 39 8.9 5.6 2.3 3.3 2.2 11 38/ 37 2.3 1.1 2.2 35 ·5/ 34/ 33 1.1 7 31 31 1.1 13 ³3/ 27 1.1 1/ 25 14/ 23 2/ 10 1 17 10/ 15 11 4/ - (/ -1./-13 -1:/-17 - 6/-19 - 1/-21 Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F × 93 F ≤ 32 F Dry Bulb

10 mg. 200

OLZ6-5 (OL.A) REVISED METVIOUS EDITIONS

FETAC FORM 0.26-5 (OLA

Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

*CGD1	<u> </u>	AUI C	PTIC	AL S	SITE	HI P	IORTH	TON	ER	<u>79</u>				Ŷi	EARS						PR hth
																		PAG	E 2	HOURS (1-0500 L. s. t.)
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 -	24 25 - 26	27 - 28	29 - 30	2 31	D.B./W.B.	Dry Bulb	Wet Buib	Dew Point
- 74/-25 - 26/-27			 			ŀ															2
-38/-29 -38/-39														<u> </u>							1
TOTAL	11.	21.1	7.7	1.	10.0	۲.	10 0	0 0	10 5	177 0		-	-		ļ			+			1
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Element (X)		Σχ'			ZX		X	· .		No. Ob	5.	L			Mean I	No. of H	ours wit	h Temperati) t	_	<u></u>
Rel. Hum.		31	2272		41	72	46.4	36.5	47		90	≤ 0	F	≤ 32 F	≥ 67		73 F	> 80 F	≥ 93	F	Total
Dry Buib		15	558			20	41.3	4.5	22		97		\Box	3•							90
Wet Bulb			7534			22	32.5				9.1		,	54.	<u> </u>	_		-	 		gn
Dew Point		6	1713		11	25	12.5	25.1	54		90	۷.	1.5	64.	1			1	1		9

FORM 0-26-5 (OL A) REVISED PREVIOUS

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SAFETAC FORM

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 0600-0800 Hours (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Peint (F) 5:/ 55 2.3 12/ 51 5 / 40 1.1 4.5 18/ 47 2.3 5.7 45/ 45 1.1 1.1 1.1 1.1 -4/ 43 1.1 42/ 42 5.7 1.1 2.3 1.1 4.5 2.3 3.4 3.4 1 / 34 1.1 3.4 3.4 2.3 1.1 1.1 30/ 37 2.3 2.3 1.1 6/ 35 2.3 1.1 2.3 31/ 33 1. 4/ 3. 1.1 24 24 321 27 ₹/ 25 1.1 1/ 23

79

27 21 10 17 14/ 13 1 / 11 · / 3/ -1,1 -61 -7

Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 5 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

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-6/ -9 - 0/-19

Z. GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 11600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 2/-23 -04/-25 -25/-27 -7:1-29 -70/-33 TOTAL 2.315.9 5.711.4 5.711.4 8.4 9.111.4 8.4 9.1 2.3 0-26-5 (OL A) Element (X) Mean No. of Hours with Temperature 2325.0 3566 44.431.803 ≤ 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Total 161185 3737

42.5

2951

934

5.350

32.4 4.8 1

1 .622.392

88

88

88

3.1

50.1

70.6

90

91

Dry Bulb

Wet Bulb

Dew Point

94371

52374

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER

PAGE 1

						WET	BIII B	TEMPES	ATHRE	DEPPE	SSION (E1					TOTAL	T	TOTAL	
Temp.	0	1 - 2	3 - 4	5.4	7 . 8	9 . 10	11 - 12	13 - 14	15 . 16	17 . 18	19 - 20	21 . 22 23	- 24 25 - 26	27 . 28	29 . 30	> 31		Dry Bulb		Dew Poi
F3/ 57	<u> </u>			3.0	7.0	7.10	1111	13114	13 1 10	17 - 10				1 20					1	100
4/ 53							ļ		2.3		3.3	2 • 3 3 • 5					4	1	9	
57 51				 			 	1.5	1.2		5.8			1					}	
5 / 4"				i l		 	, ,	2 .	7 6	, ,	3.0		ļ			ļ	15]	1
40/ 47				1.3	1 2	2 7	2 7	1 2	300	1	1.2			+			1.5	<u> </u>	}	
46/ 45	1. 7	1.2		7 • 4	7.00	1 2	2 .	1.02		1.2		1	1	1 1						
14/ 43	9	2.1	2.3		2.3	100	2 3	1.2	7 5	100				 			1		! — !	
42/ 41		4.7	1 2		2.0.	2.3	2 • -	1 • •	1.2								12	13	3	,
4 / 35		4.7	7.0	!		20.	1.2	ļ						 			11	1		}
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6/-17		i	_																	
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Element (X)		Σχż			Σχ		X	" ,		No. Ob	s			Mean N	o. of He	ors wit	h Tempera	ture		
Rel. Hum.												± 0 F	≤ 32 F	≥ 67	F 2	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																				
Wet Bulb																				
Dew Point															\neg					

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATP WEATHER SERVICE/MAC . 1001 MAUI OPTICAL SITE HI NORTH TOWER 7980-1103 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point (F) 1-21 2/-23 - 20/-25 - "-/-27 -- 6/-20 TOTAL 1.414.411.4 1.4 8.712.411.410.411.4 3.4 8.1 5.4 86 (0.26-5 (OL A) Element (X) ZX Mean No. of Hours with Temperature 41.329.573 . 21201 3455 267 F 273 F 280 F 293 F Rel. Hum. 86 ≤ 32 F 45.7 5.960 34.6 4.204 177439 3 = 7 3 Dry Bulb 86 2.1 1 :166 2978 86 29.3 Wet Bulb

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PSYCHROMETRIC SUMMARY

≥ 93 F

STATION	MAUI	OPTI	CAL S	ITE	HI N	OPTH	TOW	ER	79				YE	ARS		· · · · · · · · · · · · · · · · · · ·			<u>#</u>	PR
																	PAG	E 1	1200 HOURS (1-1400 (. s. t.)
Temp.					WET	BULB T	EMPER.	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 57								2.4		1.2		1.2					4	L		
5+/ 55								2.4		1.2	2.4						4	Į.		
547 53	Ţ					1.3		3.€			2.4						7	7	ł	
1./ 51			<u> </u>			1.2	3.6	1.2	1.2								6			
5 / 49	i			1.7	: i	3.6	1.2	ĺ	1.4	:		ļ					6	6	ĺ	
4. / 45		, - 				4.5		1.2									5			
4. / 45		1.		2.4	3.6	3.6						1					13	13	1	
-4/ 47	<u> </u>	:]	1.2	1.7	1.2			3.6									12	12	ــــــــــــــــــــــــــــــــــــــ	<u> </u>
2/ 41	8.	. 3		1.3	2.4		3.6			ļ		.			J		13	1	12	5
1 / 30	2.		1.3	1.7	1.2		3.4								ļ	ļ	88			7
35/ 37	1.2 1.	- 2		1.2	1.2							-			l		4		18	2
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Element (X)	Σχ¹			Z X		X	₹ <u>*</u>	Т,	No. Ob	s. T				Mean I	No. of H	ours wit	h Tempera	ure		

± 0 F

≤ 32 F

0-26-5 (OL A) revised mevious editions of this folim are oaso

USAFETAC FORM 0.26-5 (OLA)

Rel. Hum.

Dry Bulb Wet Bulb

PSYCHROMETRIC SUMMARY

STATION	MAUL U	PIICA	STATION A	HI N	VORIF	104	IE K	19				YEA	RS						PR
																PAG	E ?		
Temp.				WET	BUI A	TEMBER	ATILDE	DEPRE	SSION (F)						TOTAL	1	TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6 7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25	- 26 2	7 - 28 2	9 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pois
TOTAL	.217.9	1.2	5-6 7-8 3-6 9-1	9.5	14.3	15.5	16.	2.4	3.6	3.6	1.2					<u> </u>	84		8
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Element (X)	Σχ2		ZX		X	₹ 2		No. Ob	L				Mega No	of H	ura wit	h Tempera	ture.		<u> </u>
Rel. Hum.		4222		516	4 . 0	28.4	23		84	≤ 0 F	≤ 32		≥ 67 1		73 F	≥ 80 F	* 93 I	-	Total
Dry Bulb	1.8	.915		67	46.	5.9	56		84			1.1		 -		1		1	9
Wet Bulb		76 6		782	35.5	4.7	3		64		22	2.7		\top		<u> </u>	-	+	'
Dew Point		5943		539		16.1			64	13.		7.6		+-		 			9,

JUL 64 0-26-5 (OLA) REVISED MENIOUS EDITIONS OF THIS FOR

AFETAC FORM 0.26-5

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 1 59 50/ 55 1.2 1.2 1.2 3.7 1.2 -4/ 53 1.2 127 51 5 / 40 1.2 2.5 1.2 4.9 3.7 3.7 2.5 46 / 45 2.7 2.9 147 43 6.2 2.5 72/ 41 1.2 4.9 1.7 3.7 1.2 11 1 ./ 37 1.2 3.7 7.7 3./ 1.2 2.9 11 35 3 1 33 31 1.2 ^. / 25 24/ 23 11/ 15 11/13 4/ --/ -9 /-11 -1 /-13 - _/-17 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 10 F ≤ 32 F Dry Bulb Wet Bulb

FORM 0.26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS FORM AI

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ISAFFTAC FORM

PSYCHROMETRIC SUMMARY

ODDI MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

PAGE 2 1500-1700

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
2/-23					İ			}	1			1									
OTAL	1.6	22.2	3.7	? • !	9.9	14.	9.9	12.3	11.1	6.2	2.5	2.5	1.2				.1 _	<u> </u>	81	<u> </u>	8
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Element (X)		Σχ²	<u> </u>	 	ZX	-	X	· ·		No. OI		<u>i</u>		<u> </u>	Mega	No. of 5	lours wit	h Tempera	ture		
Pel. Hum.		-x 2:	35742	-		648		29.8		140. 01	81	≤ 0 #		≤ 32 F			≥ 73 F	> 80 F		F	Total
C.y Bulb		16	524	1		54	44	5.2	248		81	= 0 7	-	1.1			- /3 5		+ - 73	·	10101
Wet Bulb			155			544	77.	4 . 4	. 79		81							 	 -		
			225	}		498	16	4 4 6 7	- 4				_	24.4	1			 			
Dew Point			425	9	1,	• 7 q	130	17.9	211		81	18	• 7	67.8	3			ل			

USAFETAC FORM 0-26-5 (OLA) REVISED REVIOUS EDITIONS OF IN

PSYCHROMETRIC SUMMARY

STATION STATION NAME 79

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PAGE 1 1800-200

																				HOURS	(L, S, T.)
Temp.											SSION (F							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24 2	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
5// 55												1.2						1	1		
4/ 53	ł					1					1.2	1.2	- 1					1 2	9		İ
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43/ 47							1.2	1.2	1.3	1.2		Ì						l ű			ľ
45/ 45			1.2			1.2	1.2		2.5	4.7								- 0			·
14/ 43	1	1.2	1.2	1.2	1.2	3.7	4 9	2.5	6.2	1.2								19	19		
12/ 41		4.9			1.3	1.7		4.9	3.7									13			
4 / 30	1.2	7.4	2.5	1.2	2.9	1.2	·	. • .	1.2		· · · · · · · · · · · · · · · · · · ·		1					14		ì	
3 / 37	- :	7.4	7.5	1.2		1.2	2.5		100									12			
. / 35	1.2				2.5		1.2					- !			İ			1 2	1	1	
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Element (X)		Σχ²			Σχ		<u> </u>			No CL					Maga N			L Yamarii		L	<u></u>
	-	~ X .		'	~ X		X	₹ ,		No. Ob	•			30 F				h Tempera			Total
Rel. Hum.									\dashv			≤ 0 F	:	32 F	≥ 67	<u> </u>	73 F	≥ 80 F	≥ 93	-	Total
Dry Bulb								-										ļ			
Wet Bulb															ļ			<u> </u>			······································
Dew Point																		<u> </u>			

(FETAC FORM 0.26-5 (OL.A) REVISED MEVIOUS EDITIONS OF THIS FORM AR

PSYCHROMETRIC SUMMARY

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51A115W					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													PAG	E 3	1800	-2060 L. S. T.)
Temp.						WET	BULB 1	FMPE	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dew Point
-11/-15														1							1
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- 2/-23										ļ											1
- `4/-25																					1
TOTAL	3.	21.0	7.4	3.7	7.4	7.1	11.1	9.9	16.	7.4	2.5	2.5					ļ		81		81
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Element (X)		Σχ²			ZX		X	•,	-	No. OL	I	1		1	Mean	No. of M	outs wit	h Temperat	ure	<u> </u>	I
Rel. Hum.			28:1			37	44.3	32	107		81	≤ 0	F	> 32 F	≥ 67		73 F	≥ 80 F	* 93	F	Total
Dry Bulb			6371			27	42.3				61	= 0	-	- 98 F	- 07		. , , ,	- 50 1	+ - /3		93
Wer Bulb			03 1		26		32.9				81			40.5	+-	'		 	+		97
Dew Point			6741		11		14.4				81	26	• 7	64.4		+		 	+		3 ,
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GLORAL CLIMATOLOGY BRANCH USAFLTAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

TOR: MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

CONTROL OF THE PROPERTY OF THE PR

PAGE 1 2100-2300

Temp						WET	BIII B	TEMPER	ATURE	DEPRE	SSION (F١		********				TOTAL	Γ	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	0 . 10	11 - 12	13 . 14	15 16	17 - 18	19 - 20	21 - 22	23 . 24	25 . 26	27 . 28	20 . 30	> 31	D.8./W.8.	Dry Bulb		Dew Poin
12/ 51		1 * 2	3 . 4	3.8	/ • •	7.10	11 - 12	13 - 14	13 - 10	17 - 18			23 . 24	23 - 20	27 . 20	27 - 30			0.7 00.0		
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Element (X)		Σχ'			Σχ		X	₹	- -	No. Ol	8.				Mean	No. of H	ours wil	h Tempera	ture		<u></u>
Rel. Hum.		· · · · · · · · · · · · · · · · · · ·						 				± 0 F	. ;	32 F	·		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb								1		· · · · · ·								1			
Wet Bulb											$\neg \uparrow$							1	1		
Dew Point								 							 			 			

USAFETAC NULS 0.26-5 (OLA) RIVER REPOSE ENTONS ENTIRS FORMS

PSYCHROMETRIC SUMMARY

COUL MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME

PAGE 2 2100-2300

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	4 25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Post
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Element (X)		Σχ²	·		ž x	٦-	¥	• 4		No. Ol	· ·				Mean	No. of H	ours wit	h Tempera	ture	'	
Rel. Hum.		26	, 4 - 2 ¢		3.5	137		34 . 0	96		84	± 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	× 93	F	Total
Dry Bulb		14	1977		31	31	40.8	4.7	'១ទ		84			6.4	-			1			9
Wet Bulb			73+1			77	31.9	4.9	43		84		$\neg \vdash$	52.5				T			ÿ
Dew Point		Ę	5. 517			47	1	21.2	46		84	3	1.1	67.5				1			9

AC FORM 0.26-5 (OLA) revised previous editions of this for

115 A EET A C. 2001.

PSYCHROMETRIC SUMMARY

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																		PAG	€ 2	HOURS	L L L. S. T.)
Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pol
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Element (X)		Σχ²			ZX	<u> </u>	i X	0,		No. OI) 95.	,	<u> </u>	<u> </u>	Mean I	No. of t	lours wit	h Tempere	lure		
Rel. Hum.		197	8225		295			31.			82	≤ 0	F	≤ 32 F	≥ 67		≈ 73 F	≥ 80 F	× 93		Total
Dry Bulb		127	6828		293	264	42.	5.	71		82		1	25.	3			1			72
Wet Butb			1786		226		33.	5.	35		8.7		$\neg \vdash$	331.				Γ	1		72
Dew Point		41	6552	·	93	38	14.	20.	101	7	82	2 15	1.4	544.8	5			1	$\overline{}$		72

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USAFETAC FOR B

PSYCHROMETRIC SUMMARY

Temp.					********	WET	BULB '	EMPER	ATURE	DEPRE	SSION (F)		· · · · · · · · · · · · · · · · · · ·				TOTAL		TOTAL		٦
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po	int
14/ 53										1.1								5	5			
~2/ 51		1					2.2	3.2	1.1	7.5	5.4							18	18			
5 / 49							3 • 1	2.2	2.2	7.5	4.3							16	16			
48/ 47		1						1.1	4.3	8.6]	Ì			14	14			
46/ 45							5.4	3.2	8.6	8.6								20	20			_
04/ 43		İ				1.1	3.2		5.4					·			}	9	9		ĺ	
42/ 41				1.1		1.1												2	2			
4. / 30		1.1			1.1	2.2	1.1	1.1										6	6		2	
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Element (X)		ΣX1			ZX		¥	•,	<u> </u>	No. Ob	s .				,			h Temperat				
Rel. Hum.						_			\bot			± 0 F	- -	≤ 32 F	≥ 67	F :	73 F	> 80 F	> 93	F	Total	
Dry Bulb				<u></u>											L	_ _		<u> </u>	1			
Wet Bulb																_						
Dew Point	-															1				1		

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8 - W.B. Dry Bulb Wet Bulb Dew Point (F) -14/-15 - .6/-17 - 12/-23 -24/-25 -76/-27 -23/-29 - 7 /-31 TOTAL 1.1 2.7 4.316.110.822.629.012.9 Element (X) Mean No. of Hours with Temperature 49195 1761 18.913.125 Rel. Hum. 93 10F ± 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F

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AC FORM 0.26-5 (OL.A) REVISED FREVIOUS EDITIONS OF THIS FORM ARE OBS

Dry Bulb

Wet Bulb

Dew Point

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PSYCHROMETRIC SUMMARY

7LD_	M/	AUI C	PTIC	AL S	ITE	HI N	IORTH	TOW	ER	79											1AY
STATION				51	ATION NA	ME			-					YE	ARS					MOI	NTH
																		PAGE	: 1	0300 HOURS ()-0500 L. s. t.)
Temp						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	try Bulb	Wet Bulb	Dew Point
14/ 53											1.1							1	1		
12 /51		<u> </u>							1.1		5.4						<u> </u>	15	15		
5 / 49							3.2	2.2	3.2	2.2								12	12		
48/ 47		ļ					2.3	4 • 3	5.4	8.6		 					 	19	19		
44/ 43								5.4					1	1	ļ			20	20		<u> </u>
02/ 41			 		2.2	4.3	2.2		4 . :	1.1							 	18	18		
4 / 39			1.1		2 • 4		2.00	1.1					1	- 1	1		1	1	3		
30/ 37		 		1.1		1.1		***									 	3			
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Element (X)		Σχ²	<u> </u>		z x		X	₹		No. Ob	. 1				Hear h	o of b	James w 10	h Temperatu	J		4
Rel. Hum.		A							\dashv	.10. 00	"	± 0 F	4	32 F	≥ 67		73 F	> 80 F	* 93 1	F	Total
Dry Bulb				l		7							+	·			<u> </u>	 	 		
Wet Bulb				· · · ·		_			$\neg \vdash$				1			_				\neg	
Dew Point								I										1			

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 79 PAGE 2 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point (F) -16/-17 -!8/-19 -24/-21 -24/-25 -76/-27 -28/-29 -3 /-31 -52/-53 TOTAL 1.1 1.1 2.2 5.414.022.622.622.6 8.6 93 Element (X) No. Obs. Mean No. of Hours with Temperature 20.213.137 46.8 3.414 53761 1877 Rel. Hum. 93 1 32 F 267 F 273 F 280 F 293 F 10 F 2114541 Dry Bulb 4355 93 97762 2994 32.2 2.738 93 Wet Bulb 93 23858 300

PSYCHROMETRIC SUMMARY

COOL MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION HAME 79

YEARS MONTH

PAGE 1 0600-0800

Temp.						WET	BULB '	EMPE	ATURE	DEPRI	SSION	F)	*				i	TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7.8	9 - 10	11 . 12	13 . 14	15 . 16	17 . 18	19 . 20	21 . 22	23 . 24	25 . 26	27 - 28	29 .	30 > 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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52/ 51		-				 		1.1						 	 	 		13			
5 / 49			}			1		3.2	3	-	3.	1		1		}	l l	15	13		1
48/ 47						-	4.7	1.1	3.4	30	4.3	}		 	 						
46/ 45		1				1.1		7 -	7.	3.	1			1	1			19	19		
14/ 43			ļ ——			1.03	2.2	300	7.5	300				 				13	13		
42/ 41							4.00			1						1		8	ä		
42/42		ļ		3.2			1.1	1.1						 	 -			 			
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Element (X)		ΣX¹			z _X		X	" g		Ne. O								h Temperat			
Rel. Hum.												≤ 0	F	≤ 32 F	≥ 67	7 F	≥ 73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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PSYCHROMETRIC SUMMARY

STATION STATION AME STATION NAME PAGE 2 D6:10-108:00 HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -12/-13 -14/-15 -18/-19 -24/-25 -^8/-29 -3 /-31 -5 /-51 -52/-53 1.1 8.615.128.021.520.4 2.2 TOTAL Element (X) No. Obs. Meen No. of Hours with Temperature 41902 1602 17.212.470 93 1 32 F 267 F 273 F 280 F 293 F 10F 48.5 3.953 32.7 2.676 223544 4514 93 Dry Bulb 93 43.0 100227 93 3 143 Wet Bulb 93 2387 42.0 93.0

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PSYCHROMETRIC SUMMARY

OUD1 HAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION HAME

PAGE 1 UPON-1100 HOURS (L. S. T.)
HOURS (L. S. T.)

Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-18 29-30 = 31 t / 59 1.1 1.1 5c 55 3.3 5.4 6.5 15 15 1-/ 53 5.4 6.5 5.410.9 F21 4 • 3 3 • 3 23 51 2.2 5./ 49 48/ 47 2.2 1.1 1.7 1.1 44/ 45 1.1 44/ 43 1. 12/ 41 39 1.1 37 26/ 35 34/ 33 721 31 3 / 29 28/ 27 261 25 23 241 21 14/ 15 8/ 4/ Σχ Element (X) ZX Mean No. of Hours with Temperature Rel. Hum. s 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

GBOD1	11/	UI C	PTIC	AL S	ITE	HI N	ORTH	TOW	IER	79				YE	ARS						A Y
																		PAG	E 2	0900 HOURS (-1100
Temp.							BULB '											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Paint
-13/-13																					1
-14/-15							İ				L										1
-16/-17			ĺ																		2
-18/-19										<u></u>											1
- 2/-23																					1
-45/-47		1					1										İ				2
-07/-49																					1
TOTAL		Ì	Ì]	1.1	2.2	14.1	5 . 4	16.	34.8	14.1	12.7		1 1			l		98		92
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Element (X)		ΣX,			ZX		I	· **		No. O								h Temperat			
Rel. Hum.			4964			74	19.3	10.8	3/2		92	± 0 F		± 32 F	≥ 67	F	73 F	> 80 F	≥ 93	F	Total
Dry Bulb			6462			44		3.5			92		-					 			93
Wet Bulb			20422			18	36.	2.5	85		92			10.1					<u> </u>		93
Dew Point		2	26784		7	12	7.7	15.2	90		92	18.	• 4	93.0				<u> </u>			93

MAUI OPTICAL SITE HI NORTH TOWER

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0.26-5 (OL

Dew Point

PSYCHROMETRIC SUMMARY

PAGE 3 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 - 8 | 9 - 10 | 11 . 12 | 17 . 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 64/ 63 62/ 61 3.2 6.5 2.2 3.2 6/ 59 2.2 1.1 56/ 57 4.3 56/ 55 1.1 3.2 3.2 1.1 3.2 3.4 4.3 1.1 2.2 54/ 53 521 5 ± 3.7 1.1 2.2 3.2 1.1 45 2.2 47 1.1 46/ 45 1.1 14/ 43 1.1 3.2 1.1 2.2 42/ 4: 39 36/ 37 35/ 35 19 34/ 33 31 32/ 3 / 29 28/ 27 11 25 741 23 /2/ 21 2 / 19 18/ 17 16/ 1../ 11 - 3 Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rol. Hum. ± 0 F ≤ 32 F Dry Bulb Wet Buib

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 10001 STATION 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Peint (F) -6/ -7 -12/-13 -14/-15 -10/-17 -18/-19 -42/-43 TOTAL 1.1 1.1 5.4 7.512.910.820.417.212.9 9.7 ĝ Element (X) Mean No. of Hours with Temperature 2393 81999 93 25.714.900 =67 F = 73 F = 80 F = 93 F Rel. Hum. ± 0 F ≤ 32 F 53.1 5.392 37.9 3.860 265292 4942 93 Dry Bulb 135283 3529 6.5 Wet Bulb 1313 93 15.0 93.0 Dew Point

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MAUI OPTICAL SITE HI NORTH TOWER

00001

(OLA)

PSYCHROMETRIC SUMMARY

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PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 62/ 61 1.3 1. 6 / 59 55/ 57 2.2 2.3 1.1 2.2 4. 56/ 55 7.610.9 53 54/ 2.2 3.3 8. 52/ 51 3.3 2.2 1.1 4.3 46/ 47 46/ 45 1.1 2.7 1. 04/ 43 42/ 41 2.2 1.1 1 / 39 38/ 37 27 30/ 35 34/ 33 16 32/ 31 7 / 29 28/ 27 "r/ 25 04/ 23 22/ 21 13/ 17 16/ 15 13 11 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥67 F ≥ 73 7 ≥ 80 F ≥ 93 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79 PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point -0/ -9 ./-11 -12/-13 -24/-25 -~ /-?! -32/-33 -44/-45 -46/-47 TOTAL 3.3 2.2 7.613.912.012.019.625.0 7.6 92 (0.26-5 Element (X) 2764 64446 22.414.11 ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 50F s 32 F 254376 4819 52.3 5.573 92 Dry Bulb 124277 Wet Bulb 336 36.5 4.48 92 13. 93.0

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 10001 STATION PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Peint (F) 58/ 57 1.1 1.1 4 . 56/ 55 °4/ 53 4.3 1. 4.3 6.5 12/ 5: 10.8 3.2 5.4 5 / 49 1.1 3.2 48/ 47 46/ 45 3.2 3.2 1.1 64/ 43 3.2 1.1 42/ 41 1.1 1.1 4 / 39 33/ 37 2.2 1.7 35 341 1.1 33 22 72/ 31 261 ?5 24/ 23 :21 17 13 11 5 Element (X) Meen No. of Hours with Temperature Rel. Hum. 10F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

STATION 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wer Bulb | Dew Peint (F) -1./-13 - 14/-15 -16/-17 -18/-19 7/-21 -:2/-23 -76/-27 -44/-45 -40/-47 TOTAL 2.2 2.2 3.2 4.3 6.5 8.622.628.020.4 1.1 93 Element (X) No. Obs. Mean No. of Hours with Temperature 64342 1874 23.217.013 Rei. Hum. 93 s 32 F ≥ 47 F ≥ 73 F ≥ 80 F ≥ 93 F 10 F 48.8 5.301 223727 4535 93 Dry Bulb 1 484 31.16 33.4 3.468 93 40.0 93 Wet Bulb Dew Point 269 10 38.1 93.5

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USAFETAC FORM 0.26-5 (OLA) REVISEO METINOUS EDITIONS OF THIS FOX

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PSYCHROMETRIC SUMMARY

T DOOL	,			\$1	ATION N	AME	ORTH		t ha (1)	79				YE	ARS						A Y
																		PAG	E 2	1800 HOURS (- 20 L. s. ī
Temp. (F)	0	1 - 2	3 · 4	5.4	7.0	WET	BULB T	EMPER	ATURE	DEPRI	ESSION ((F)	27 . 2	4 28 . 24	27 . 20	20 . 70	> 31	TOTAL D.B./W.B.	Dev Bulk	TOTAL	Daw 6
-1./-13		1	3.4	3.8	/	7.10	11 - 12	13 - 14	13 . 10	17.10	17 - 20	21.22	23 . 2	23:20	27 - 20	27 . 30			J., 50.0	## DOID	
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-16/-17	_																				
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-44/-45		<u> </u>				L	igsquare			L	ļ							ļ			
-46/-47		.			_	1		_													
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Element (X)		ΣX²			ž X		X	₹ ,		No. O		·						h Temperat			
Rel. Hum.			4392			374	20.2				93	101		≤ 32 F	≥ 67		73 F	> 80 F	≥ 93 I		Total
Dry Bulb			3721			35	48.8				93							L			
Wet Bulb			484.			136	33.4				93			40.0				<u> </u>		\bot	
Dew Point		2	69 10			114	3.4	16.7	59		93	38	• []	93.0		- 1		1			

FORM 0-26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE DISC.

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SAFFTAC FORM

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PSYCHROMETRIC SUMMARY

HAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

Temp.						WET	BULE	TRAPPE	ATURE	DEPP	SSION	F)					TOTAL	T	TOTAL	
(F)	0	1 - 2	3 - 4	5.4	7.8	9 . 10	11 . 12	13 . 14	15 . 16	17 . 18	19 . 20	21 - 22 21	24 25	24 27 . 2	8 29 . 3	0 2 31	D.B./W.B.	Dry Bulk		
/2/ 71		+	-	3.0	, · · ·	7.10	11111	19:14	13 . 10	17.4,0	17.00			***	1.		 			+
56/ 55			İ	1	ŀ					1.1	3.2				1	1	1 :			1
54/ 53		+	 	 	 		2.2	1.1	 	1.1	5.4		 			1			}	
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-3/ -9			1											l	j					
Element (X)		ZX2	<u> </u>		Z X		X	•		No. Ol	8.			Mea	No. of	lours wi	th Tempere	ture		
Rel. Hum.	_								$\neg \vdash$			10 F	≤ 32	F 2.	17 F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb																				
Wet Bulb															<u> </u>				1	
Dew Point													1				1		· · · · ·	

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) /-11 -12/-13 -14/-15 -: 6/-17 -18/-10 -: 2/-23 -24/-25 -20/-27 -25/-29 -44/-45 TOTAL 1.1 1.1 2.2 8.6 4.312.921.532.315.1 1.1 ₹ õ 0.26.5

No. Obs.

93

93

17.613.156

47.8 5.324

1634

Mean No. of Hours with Temperature

93

≥ 67 F ≥ 73 F

1.0

56.1

93.0

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C.

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

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214964

97648

MAUI OPTICAL SITE HI NORTH TOWER

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PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 72/ 7/ 4/ 63 +2/ 61 6 / 59 58/ 57 42 1.3 1.5 56/ 55 -4/ 53 2.8 4. 91 91 F2/ 51 5 / 49 2.0 2.2 48/ 47 5.7 100 100 40/ 45 2.0 5.3 2. 1. 92 44/ 43 2.8 42/ 41 17 17 4 / 39 36/ 37 26/ 35 34/ 33 155 32/ 31 25 3 / 121 27 25 21 1./ 23 2/ 21 31 19 17 :01 40 10/ 15 13 35 11 36 41 5 37 Element (X) ≥ 67 F ≥ 73 F Rel. Hum. ≤ 32 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

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USAFETAC

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PSYCHROMETRIC SUMMARY

30001 MAUI OPTICAL SITE HI NORTH TOWER STATION PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Peint (F) -. / -3 -6/ -7 7-11 -12/-13 -14/-15 -16/-17 -18/-19 -> /-21 -, 2/-23 -24/-25 -20/-27 -26/-29 -3 /-31 -72/-33 -42/-43 -44/-45 -46/-47 -48/-49 -5 /-51 -52/-53 TOTAL ·7 1.6 2.3 5.110.912.329.825.616.2 4.d 742 742 742 742 9 No. Obs. Mean No. of Hours with Temperature Element (X) 14979 44529 742 ±67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 2 1. 213 . 887 ± 32 F 1848819 36831 49.6 5.275 742 1.0 Dry Bulb 744 376824 25338 3.952 742 273.7 744 3030 742 255.7 744 Dew Point

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79 7000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Peint 58/ 57 1.1 1.1 50/ 55 14/ 53 2.2 2.2 12/ 51 17.8 5 / 45 5.613. 48/ 47 18.9 467 45 4.4 1.1 1.1 1. 4.4 44/ 43 1.1 3.3 42/ 41 1.1 1.1 1.1 1.1 4 / 39 2.2 38/ 37 76/ 35 34/ 33 3 / 24 28/ 27 25/ 25 24/ 23 2/ 21 / 19 13/ 17 15 11 1.7 - : :/-11 -14/-15 Element (X) Mean No. of Kours with Temperature Rel. Hum. ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb

FETAC FORM 0.26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE

Dew Point

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0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

STATION	MA	MAUI OPTICAL SITE HI NORTH TOWER 79 STATION NAME YEARS																JUN MONTH					
							•											PAG	E 2	0000-0200 HOURS (L. S. T.)			
Temp.		γ	,			WET	BULB .	FEMPER	ATURE	DEPRE	SSION (F)	·		,	,		TOTAL		TOTAL			
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-18/-19																			 		5		
-7 /-21 -/2/-23		ļ									ļ	ļ	 	ļ		ļ	ļ		ļ	 	3		
-"4/-25																					10		
-261-27		 												 			├	+		 	12		
-28/-29										1									}		1		
-7 /-31										 			-	 	 	 	<u> </u>	 	 	·	1		
-72/-33																				ļ	3		
-34/-37														<u> </u>						T	3		
-44/-45							İ														3		
TOTAL				5.6	4.4	5.6	3.3	4.4	8.9	28.9	33.3	4.4	1.					90	90	9(90		
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Element (X)		Σχ²			ž _X		I	6 3		No. OL	.				Mean I	No. of H	ours wis	h Tempere	ture	<u> </u>	L		
Rel. Hum.			6170			86		17.6	72		90	⊴ 0	F	≤ 32 F	≥ 67		73 F	> 80 F	* 93	F	Total		
Dry Bulb			8143			15	47.9	3.7	67		90							† -	1	_	90		
Wet Bulb		9	u633		28	47	31.6	2.5	37		90			62.0	\vdash						93		
Dew Point		4	3236		-8	78	-9.8	19.7	51		90	68	3 • C	90.0		\top					90		

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PSYCHROMETRIC SUMMARY

0001 MAUI OPTICAL SITE HI NORTH TOWER JUN YEARS STATION 0300-0500 Hours (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb Wet Bulb Dev. Point (F) 14/ 53 1.1 1.1 10.1 12/ 51 5 / 49 4.5 3.4 48/ 47 1.1 2.2 1.1 3.4 3.4 45/ 45 1.1 3.4 7.9 15 44/ 43 42/ 4 2.2 1.1 1.1 4 / 30 3.4 37 38/ 36/ 35 1.1 34/ 33 727 31 3 / 29 781 27 26/ 25 24/ **2**3 2/ 21 18/ 17 15/ 15 11/13 4/ -41 -6/ -8/ -9 -1 /-11 -14/-15 -16/-17 -13/-19 ΣX, Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 50F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME PAGE 2 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) -: 2/-23 -24/-25 C -76/-27 -28/-29 7-3: -38/-39 -41-45 TOTAL 1.1 3.4 5.6 1.1 4.5 3.412.4 6.746.114.6 1. (07) 0.26.5 No. Obs. Mean No. of Hours with Temperature Element (X) 1560 17.920.605 46.6 3.121 64706 89 273 F 280 F 293 F Rel. Hum. 194275 4149 89 Dry Bulb 8876 2788 31.3 2.871 89 68.8 91 Wet Bulb

88.0

PSYCHROMETRIC SUMMARY

OCO 1 STATION	<u> </u>	AUI C	JP 11C	AL S	TATION N	ME N	URIH	1 1 U N	IEK .	<u>79</u>				Y	ARS					МО	JU	
																		PAGE	E 1 .	HOURS	<u>)-</u>	
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL		
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B./W.E.	Dry Bulb	Wet Bulb	Ī	
58/ 57												1.1	1.1				1	2	2		Τ	
55/ 55		1	1						<u> </u>	<u> </u>		6.7		1]]		.]	6	6		1	
'.4/ 53								1.1	1.	1	2.2	4.4						8	8		Ι	
12/ 51		_[<u> </u>					3.3			11.1							15	15			
5. / 49							2.2	1.1	4.4	4.4	6.7							17	17		I	
48/ 47						1.1		1.1		16.7	<u>t</u>	·						18	18		1	
46/ 45						2.2	2.2	2.2		7 . 8	\$							13	13			
14/ 43				2.2	1.1				1.		<u> </u>	<u></u>						5	5		1	
42/ 41			}					1.1	1.	t e			l					2	4		1	
4 / 39		1												L							4	
36/ 37			3.3	}								l	1	1				3	3		8	
36/ 35			1.1											<u> </u>	 		ļ	1	1	·	4	
34/ 33			ļ		[;					1	l	Į			((ļ	Į	2.		
12/ 31			ļ							ļ	<u> </u>		<u> </u>	<u> </u>	ļļ		ļ	ļl		2	_	
3 / 24				ĺ																2	1	
28/ 27		 	ļ							ļ				ļ			ļ				4	
25/ 25		ĺ			(.	į								1			ļ		1			
24/ 23			ļ						ļ	ļ		ļ	ļ	ļ	ļ		 	 			4	
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Element (X)		Σχ²			ZX		X	· ,		No. O	s.				Mean N	lo. of H	lours wit	h Temperati	ure		_	
Rel. Hum.												± 0	F	s 32 F	2 67		≥ 73 F	> 80 F	≥ 93 F		1	
Dry Bulb																					_	
Wet Bulb																7					_	
Dew Point											$\neg \neg$								1			

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

PAGE 2

0600-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31															TOTAL	TOTAL				
		1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pe
:6/-17		1															—			····	
8/-19				1																	
2 /-21		†	1							<u> </u>							1				
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26/-27		1		İ													-		-		İ
28/-29		 																			
1./-31																					
34/-35		 								 							1				
~3/-39																					
CTAL			4.4	2.2	1.1	3.3	4.4	10.0	10.0	31.1	20.0	12.7	1.1				1		90		4
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lement (X)		Zx1			Σ		-	7 ,		No. Ol					Mage	la af 1	ione wie	h Temperat			<u></u>
			1847	2 x 1405		0.6	X 05 15.61			NO. UI	9 n			- 20 5				> 80 F	≥ 93 I	93 F Tetal	
lel. Hum.			6329			93	10 C	4.2	::::] _		90	± 0	-	± 32 F	≥ 67	-	≥ 73 F	- 60 P	2 73 1	_	
ry Bulb			5271			17	7000	704	74		90			CA 5		-		 			
Vet Bulb			7260				34.4	2.8	004					90.0		+		 		\dashv	
ew Point		3	1204		-5	56	-6.2	11704	ソコ		97	- 61	• q	90 ▲ 0	I			1	1	- 1	

MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

≥ 67 F = 73 F = 80 F

JUN

PAGE 1 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 2/ 61 1.1 1.1 4 / 59 58/ 57 2.2 3.3 3.315.6 56/ 55 54/ 53 4.4 5.6 2.2 8.9 52/ 51 2.2 3.3 1.1 5 / 49 1.1 48/ 47 1.1 46/ 45 1.1 1.1 44/ 43 2.2 12/ 41 b / 39 2.3 38/ 37 34/ 33 72/ 31 ?5 23/ 27 6/ 25 24/ 23 ^2/ 21 18/ 17 10/ 15 13 3/ :1 - 3 - 41 Element (X) Meen No. of Hours with Temperature

79

STAC FORM 0.26-5 (OLA) REVISED P

Rel. Hum.

Dry Bulb Wet Bulb

C

GLOBAL CLIMATOLOGY SRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 53-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point WET BULS TEMPERATURE DEPRESSION (F) €. -1../-13 -14/-15 -16/-17 -18/-19 -7./-21 C -24/-25 -34/-35 -30/-37 (TOTAL 2.2 1.1 3.3 6.7 3.3 6.7 3.314.417.830.011.1 90 Element (X) Mean No. of Hours with Temperature Rel. Hum. 16.316.605 53.2 4.783 35.3 2.748 48453 1467 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 90 10 F s 32 F 25665 Dry Bulb 4737 90 3181 1131. 90 9.0 Wet Bulb 90 52.0 90.0 Dew Point

LLORAL CLIMATOLOGY BRANCH USACCTAC A)' WEATHER SERVICE/MAC

MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 14/67 621 6. 5.6 6./ 59 2.2 58/ 57 50/ 55 4.4 1.1 2.2 1.1 3.313. 1.1 54/ 53 [2/ 51 2.2 1.4 1.1 5.6 5 / 49 1.1 48/ 47 1.1 46/ 45 2.2 1.4/ 43 42/ 41 4 / 39 2.3 36/ 35 34/ 33 321 31 26/ 27 74/ 12/ 23 19 13/ 17 14/ 11 8/ 7 4/ -4/ -5 -3/ -9 Element (X) Mean No. of Hours with Temperature ≥67 F = 73 F = 80 F = 93 F Rel. Hum. Dry Bulb

C FORM 0-26-5 (OL A) revises retvous estions of

Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 00001 MAUI OPTICAL SITE HI NORTH TOWER 79 VFARE STATION STATION NAME 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Peint 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) -1:/-13 -14/-15 -15/-17 -18/-19 -1.../-21 -72/-23 -18/-29 -32/-33 -34/-35 -35/-37 TOTAL 7.8 8.9 8.910.021.120.011.1 90 90 90 90 Element (X) 18.515.379 ≥67 F = 73 F = 80 F = 93 F 51888 1666 90 ≤ 32 F Rel. Hum. 10 F 26..839 4825 53.6 4.933 90 Dry Bulb Wet Bulb 119876 3268 36.3 3.689 93 11.0 90 35424 378 3.419.651 Dew Point 42.0 89.1 90

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 79 JUN PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.S. Dry Bulb Wet Bulb Dew Peint 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 12/ 5: 2.2 1 / 59 58/ 57 1.1 3.4 56/ 55 14/ 5.3 3.4 5.6 7.5 2.2 5 / 40 4.5 2.2 1.1 46/ 47 46/ 45 1. 44/ 43 1.1 41 36/ 37 34/ 33 32/ 31 23 28/ 27 26/ 25 24/ 23 2/ 21 1 10 17 .4/ 13 61 Element (X) Mean No. of Hours with Temperature ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. ≤ 32 F Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIP WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 3; D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -1-/-13 -14/-15 -16/-17 -:8/-19 -: 7-21 ->2/-23 -24/-25 -32/-33 -34/-35 TOTAL 1.1 3.4 5.411.412.410.111.413.525.8 5.4 89 (Element (X) No. Obs. Mean No. of Hours with Temperature 18.615.358 52.4 4.587 35.6 3.539 51570 1656 267 F 273 F 280 F 293 F Rel. Hum. 10F s 32 F 89 246161 89 Dry Bulb 4663 12.1 11356 3164 89 Wet Bulb 90.0

PSYCHROMETRIC SUMMARY

STATION		AUI C	77 110	51	TATION N	IME IN	OKIA	101	LR	<u>79</u>				YE	ARS	·				HTI
																	PAG	E 1	1800	<u>(t.</u>
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 = 31		Dry Bulb	Wet Bulb	D
Sel 57							-					1.1					7	2		Т
56/ 55							İ	2.3				4.6]			6	6		
14/ 53							1.1			1.1	5.7						11	11		1
52/ 51		-								5.7	20.7			l		İ	23	23		
5 / 44						1.1	1.1			6.5							16	16		1
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Element (X)		ΣX2			ZX		X	<u> </u>		No. OL	s			- 40 5		. of Hours w				Ţ
Rel. Hum.								·				≤ 0 1	<u>- - </u>	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	> 93	<u> </u>	Te
Dry Bulb																				
Wet Bulb											+					+	+		 -	_
Dew Point																				_

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79 €. PAGE 2 TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./M.B. Dry Bulb | Wet Bulb | Dew Point (F) -16/-17 -18/-19 0 - 1-21 12 - 2/-23 -24/-25 -26/-27 -78/-29 -34/-35 æ -36/-37 -38/-39 TOTAL 1.1 2.3 8.0 5.7 8.0 3.421.835.610.3 1.1 87 C g 2 2 2 2 Mean No. of Hours with Temperature No. Obs. Element (X) ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 52034 1406 16.218.462 87 ≤ 32 F 87 214189 4297 49.4 4.770 1.0 Dry Bulb 32.8 3.768 -4.919.353 46.6 94434 2854 87 Wet Bulb 34325 90.0

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 79 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 56/ 55 5.9 74/ 53 52/ 51 17.2 5 / 49 48/ 47 1.1 9.7 4.6 40/ 45 4.6 1.1 3.4 44/ 43 1.1 2.3 2.3 1.1 1.1 #2/ 41 4 1/ 34 1.1 39/ 37 36/ 35 1.1 34/ 33 1.1 361 31 33 3.7 29 28/ 27 25/ 25 24/ 23 .5/ 57 19 18/ 17 14/ 13 127 11 61 4/ -5 · 'Y-11 -12/-13 -14/-15 - 16/-17 - 72/-23 -24/-25 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F = 73 F > 80 F > 93 F Dry Bulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 79 STATION PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point -26/-27 -78/-29 - 32/-33 -34/-35 -30/-37 TOTAL 1.1 2.3 1.4 5.7 4.6 5.7 8.0 3.414.944.8 8.7 87 õ

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≤ 0 F

64.1

≤ 32 F

90.0

267 F 273 F 280 F 293 F

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15.619.020

48.3 4.356

32. 2.254

1358

4231

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204487

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38111

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

MAUI OPTICAL SITE HI NOPTH TOWER

PSYCHROMETRIC SUMMARY

STATION				51	TATION N	AME								Y	EARS					МО	NTH
																		PAG	E 1	HOURS	L. S. T.
Ten a						WET	BULB .	TEMPER	ATURE	DEPR	SSION (F)						TOTAL	-	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb		Dew 1
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5 / 49				l				. 6	1.	1				1				183	103		ŀ
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et Bulb						\bot									ļ			<u> </u>	 		
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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATP WEATHER SERVICE/MAC J0001 MAUI OPTICAL SITE HI NORTH TOWER JUN ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Peint 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 -4/ -5 18 -6/ -7 -9/ -9 18 -1:/-11 -11/-13 35 (-14/-15 -.0/-17 51 -18/-19 -7 /-21 -:2/-23 -: 4/-25 (-26/-27 - 38/-29 10 -7 /-31 -32/-33 -34/-35 -35/-37 -36/-39 -44/-45 TOTAL 5.6 8.8 6.922.325.014.0 3.9 712 712 0-26 Element (X) Mean No. of Hours with Temperature 16.617.721 418978 11804 712 ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. 4 0 F ≤ 32 F 1860774 35630 50.0 5.000 712 1.0 Dry Bulb 720 874296 33.4 3.575 Wet Bulb 238:0 712 316.5 720 291533 -3.619.923 717.0 442.9 Dew Point

PSYCHROMETRIC SUMMARY

7,2007 MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 56/ 55 1.2 521 1.2 9.5 5 / 49 9.513.1 2.4 48/ 47 2.4 2.4 9.5 46/ 45 2.4 14/ 43 1.2 3.6 4.8 4.8 1.2 1.2 2.4 4 1/ 39 35 361 34/ 33 31 28/ 27 26/ 25 24/ 23 2/ 21 19 :8/ 17 1.1 11 31 ./-11 Mean No. of Hours with Temperature ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. Dry Bulb Wet Bulb

MAL 64 0.26-5 (OLA) REVISED PREV

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SEPVICE/MAC 00001 MAUI OPTICAL SITE HI NORTH TOWER STATION STATION NAME 0000-0200 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.8./W.B. Dry Bulb | Wet Bulb | Dew Point -14/-15 -10/-17 -18/-19 -7 /-21 -02/-23 -^4/-25 TOTAL 1.2 1.2 6.9 9.5 3.5 6.920.227.423.8 1.2 õ Element (X) USAFETAC 1444 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 46214 17.216.054 84 Rel. Hum. ≤ 0 # 1 32 ₹ 47.3 3.569 31.8 3.276 188876 3972 Dry Bulb 84 85695 2669 60.9 84 93 Wet Bulb Dew Point 90.8

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - A | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 72 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Paint Temp. 54/ 53 2.4 52/ 51 1.213.1 5.1 49 1.2 1.211.9 8.3 19 48/ 47 4.816.7 41./ 45 1.2 1.2 3.6 2.4 4.8 11 44/ 43 12/ 41 1.2 1.2 3.4 1.4 1.2 11 / 39 39/ 37 16/ 35 34/ 33 72/ 31 7/ 36/ 25 24/ 23 19 17 16/ 15 12/ 11 - 3 -14/-15 Element (X) Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0.26-5 (OLA) envisoremons tomo

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B.-W.S. Dry Bulb | Wet Bulb | Dew Peint -. /-?1 -^4/-25 TOTAL 3.6 4.8 4.8 4.9 2.422.633.323.8 84 84 84 1. 4 Q 0 0.26-5 Element (X) Mean No. of Hours with Temperature 41919 1373 16.315.317 84 ≤ 0 # 1 32 F > 80 F > 93 F 189911 3979 47.3 3.308 84 Dry Bulb Wet Bulb 541.4 2646 31.5 3.016 84 65. 17757 Dew Point

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PSYCHROMETRIC SUMMARY

FORTH MAUL OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

Temp.						WET	BULB '	TEMPE	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28 2	7 . 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pe
F 6/ 57		1			 		 		 	1		1.2						,	1		
56/ 55		1			1	1	1	1		1		3.6						1	1		
54/ 53		 			 		 	<u> </u>	 	1.2	7.1	1.2									
12/ 51)	'	1		İ	1	1.2		15.5	1 ***	- 1	1				18	18)	•
5' / 49		 			 	 	1.2		1.2		4 . 8							12	12		
46/ 47		1		1	}	1.2			4.8			1 1	- 1					16	1.6	1	1
40/ 45		+			3.6	1	2.4	1.	2.4	3.6		 						11	11		
44/ 43				1.2	1.	3		1.	4.5	2,4			1		1 1			1 0			1
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12/-13 Element (X)		Z X 2			ZX		X	•,	4	No. O	1				Maga M	- of U	aues wie	h Tempera	luce		
Rel. Hum,		- 1			<u>- x</u>			├─ ~		He. 0	-	2 0 F	-	32 F	≥ 67		73 F	> 80 F	> 93	F	Tetal
Dry Bulb				 				 	$\neg \vdash$				+-	<u> </u>	<u> </u>	+-		· · · ·	1-3		
Wet Bulb								 	_				_		1	_		 	+		
Dew Point								 													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

COBD1 MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

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																		PAG	Ε ?	DEDD HOURS (L	-08C
Temp. (F)	0	1 . 2									ESSION (122 24	25 - 26	27 20	20 10	> 21	TOTAL D.B./W.B.	Deu Bulk	TOTAL	Daw 84
14/-15		1.2	3.4	3.6	/	7.10	111 - 12	13 - 14	13 . 10	17.10	17 - 20	21 . 22	23 - 24	23 - 20	27 - 20	27 . 30			DIY BUIL	He. D018	-
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Element (X)		ZX'	11749		ZX	329	15.	15.8		No. O			_	- 12 =			ours wi	th Tempere	ture > 93		Tetal
Rel. Hum. Dry Bulb			9387			329 179	40	3.9	77.4		84	± 0	-	≤ 32 F	≥ 67		/3 P	- 80 F	> 43		
Wet Bulb			786		2		7001	3.0	117		84			52.0	-			 -			
Dew Point			8424			184		14.			84		2.9	91.9				+			

AC FORM 0-26-5 (OLA) REVISED METVOUS EDITIONS OF THIS F

MAUI OPTICAL SITE HI NORTH FOWER

PSYCHROMETRIC SUMMARY

2301 PAGE 1 G900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Paint 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) (2/ 51 4 / 59 55/ 57 11.0 54/ 55 2.4 1.2 54/ 53 3.7 9.8 1.2 £2/_51 2.4 5 / 49 2.4 40/ 47 40/ 45 2.4 44/ 43 42/ 41 1. 4 / 35 38/ 37 34/ 33 31 201 25 23 17 '4/ 13 51 Mean No. of Hours with Temperature Rel. Hum. ± 0 F ≥ 67 # ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 0900-1100 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 0 . 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dow Point -1:/-13 -14/-15 -16/-17 -18/-19 TOTAL 6.1 4.713.420.723.217.1 82

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Mean No. of Hours with Temperature

≥67 F ≥ 73 F ≥ 80 F ≥ 93 F

93

93

1 32 F

18.1

89.6

5 0 F

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Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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229514

174502

21636

1432

4326

2012

17.514.274

52.8 3.992

35.9 3.669

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 1206-1460 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 6/ 65 1.1 F41 63 c2/ 61 3.4 € 1 59 °6/ 57 4.6 50/_55 8.7 8.1 5.7 54/ 53 1.1 1.1 3.4 9.2 22 12/ 51 3.4 1.1 4.6 101 5 / 49 112/ 47 40/ 45 44/ 43 42/ 41 33/ 37 34/ 33 327 31 . 1/ 21 οŽ *:*7 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥67 F > 73 F > 80 F > 93 F Dry Bulb Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) -6/ -7 -8/ -9 -1 /-11 -1/-13 -14/-15 -16/-17 - 12/-33 97 0-26-5 (OL A) Mean No. of Hours with Temperature Rel. Hum. 61777 1751 20.117.572 10 F ± 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb 255576 47.4 54.1 3.798 87 1214 6 3224 37.1 4.741 11.8 87 Wet Bulb 93 588 6.818.491 47.0 88.7

PSYCHROMETRIC SUMMARY

UOF1	<u> </u>	UIC	PTIC	AL S	ITE	HI N	ORTH	HOT	ER	79				71	ARS						JUL
5 TAT 15 TA				•														PAGE	Ξ 1		1-1700 L. s. T.)
						wet	8111 8 3	EMPER	ATME	DE 8 8 8	SEION (TOTAL		TOTAL	L. S. T.)
Temp. (F)	0	1 . 2	3 - 4	5 - 6	7.8								23 - 24	25 . 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb		Dew Pein
76/ 75	_ _	† <u> </u>						10 17				31 33		30 30	3. 50	1.1		1	-		
54/ 63														1.1		- • •		1	1	ı	
61 59													2.3					2	2		
13/ 57											1.1	4.6						5	5		
50/ 55								1.1		2.3	2.3	10.3						15	1.5		ŀ
54/ 53		<u> </u>					3.4			2.3	10.3	3.4						22	22		ļ
52/ 51						1.1	3.4				4.6	;						14	14		
5 / 49		<u> </u>				2.1		2.3	2,3	5.7					-		<u> </u>	18	18		<u> </u>
40/ 47					1.1	1.1	1.1	1.1		5.3								6	6		
4c/ 45		ļ					-							 				 			
42/ 41									2.3									1 1	4		
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Wet Bulb				ļ									_ _		<u> </u>	_		-	—		
Dew Point								l	. L						L			1			_

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 30001 PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

1 1 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 11 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Paint Temp. -5/ -0 - /-11 -1 /-13 -14/-15 -16/-17 - 7 /- 31 TOTAL 1.1 4.610.3 8.012.616.124.118.4 2.3 1.1 87 No. Obs. Meen No. of Hours with Temperature Element (X) 40750 1472 16.913.573 ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F 243554 4588 52.7 4.317 87 Dry Bulb 18.2 11,068 35.4 3.689 Wet Bulb 67

PSYCHROMETRIC SUMMARY

10001 MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME YEARS 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 - 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 50/ 57 56/ 55 54/ 53 1.2 527 51 5 / 49 1.2 4.7 8.2 40/ 47 2.4 2.4 40/ 45 2.4 44/ 43 2.4 42/ 41 1.4 1.2 4 / 39 1.2 38/ 37 34/ 33 297 27 26/ 25 21/19 18/ 15 4/ 13 11 Element (X) Mean No. of Hours with Temperature ≤ 32 F Dry Bulb Wet Bulb

FETAC FORM 0.26-5 (OLA) REVISED PREVIOUS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC -3001 MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

≥ 67 F = 73 F = 80 F = 93 F

PAGE 2

1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -14/-13 -14/-15 -15/-17 - 0/-19 -~ /-21 TOTAL 2.4 3.5 2.4 4.712.916.522.429.4 5.9 85

No. Obs.

85

85

85

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± 32 ₱

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93.0

79

0.26-5 USAFETAC

Element (X)

36321

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-113

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32.6 3.196

3.795

49.0

Rel Hum.

Dry Bulb

Wet Bulb

Dew Point

(OLA)

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Peint (F) 1.2 1.2 56/ 55 34/ 53 12/ 51 1.212.7 5 / 49 3.6 1.210.8 48/ 47 1.2 1.2 3.6 3.616.9 45/ 45 1.2 2.4 44/ 43 1.2 1.2 2.4 12/ 41 1.7 4.8 4 / 37 1.2 2.4 36/ 37 26/ 35 1.2 34/ 33 77/ 31 27 23/ 27 :6/ 25 74/ 23 13/ 17 167 15 14/ 13 61 -4/ -5 -1./-13 Mean No. of Hours with Temperature Element (X) ≥ 80 F > 93 F Rel. Hum. ≥ 67 F | ≥ 73 F ≤ 32 F Dry Bulb Wet Bulb

USAFETAC FORM 0.26-5 (OLA) PRINSE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC -0001 MAUI OPTICAL SITE HI NORTH TOWER 79 STATION STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) -10/-17 -18/-19 1-21 - 2/-23 -74/-25 TOTAL 1.4 7.4 7.4 4.8 8.428.521.727.7 1.2 83 83 ó 0.26-5 No. Obs. Mean No. of Hours with Temperature Element (X) 42742 ± 32 F Rel. Hum. 1423 17.114.971 83 ≤ 0 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 3918 Dry Bulb 186384 4.184 83 1.1 84 '83 31.7 3.262 2628 83 60.5 Wet Bulb

93.0

-1.816.105

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Dew Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIP WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Peint (F) 76/ 75 567 65 64/ 53 12/ 61 5 / 59 re/ 57 55/ 55 51 54/ 53 12/ 51 115 5 / 40 40/ 47 2.5 8 . 9 111 111 46/ 45 44/ 43 2.8 48 48 40/ 30 38/ 36/ 35 100 34/ 33 ~2/ 31 167 3 / 27 74 27 25 24/ 23 12 15 10/ ₹ 1./ 11 õ 4/ ≥ 67 F ≥ 73 F > 80 F ± 0 F ≤ 32 F Dry Bulb

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Wet Bulb

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USAFETAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Pain (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 -: -4/ -5 23 -6/ -7 -6/ -9 ../-11 -1:/-13 66 -14/-15 - 16/-17 e/-19 7-21 2/-23 -24/-25 - ' /-31 -32/-33 TOTAL 04 1.6 4.1 5.8 5.8 7.016.322.825.3 8.7 1.6 676 676 Element (X) Mean No. of Hours with Temperature 352998 Rel. Hum. 11548 17.115.189 676 ≥ 67 F ≥ 73 F 49.9 33.5 1697989 33731 4.695 Dry Bulb 676 1.1 744 769343 331. Wet Bulb 22635 4. 362 676 744 176778 Dew Point 730.8

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 1 9000-0200 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point 14/ 63 2.5 £21 61 £ 1 59 1.2 2.5 2.5 50/ 57 5c/ 55 1.2 2.5 1.2 54/ 53 1.2 1.2 1.2 1.2 121 51 6" 4.9 40/ 47 1.2 1.2 44/ 43 2.5 1.2 2.5 42/ 41 30 37 35 36/ 34/ 33 321 31 7 / 29 28/ 27 23 22/ 21 18/ 17 15/ 15 12/ 11 51 -41 Meen No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F 5 0 F Dry Bulb Wet Bulb

FORM 0.26-5 (OLA) REVISED MENOUS EDITIONS C

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC <u>"0001</u> MAUI OPTICAL SITE HI NORTH TOWER (F) -6/ -7 1 /-11 -14/-13 TOTAL

PSYCHROMETRIC SUMMARY

PAGE 2 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 1.2 7.4 8.416.414.412.3 8.4 9.411.1 3.7 6.2 Element (X) = 67 F = 73 F = 80 F = 93 F 196085 31.018.790 ≤ 0 F ≤ 32 F Rel. Hum. 51.1 Dry Bulb 213392 4136 5.245 81 110 162 3 38 37. Wet Bulb 81 12.6 42494 19.5 78.1 Dew Point

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PSYCHROMETRIC SUMMARY

MAUI OFTICAL SITE FI NORTH TOWER
STATION NAME YEARS 0300-05110 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point .4/ 63 2.5 F2/ 61 4.9 59 1.2 1.2 1.4 56/ 57 1.2 2.5 6.7 50/ 55 1.2 1.2 2.5 1.3 19 19 F4/ 53 52/ 51 3.7 1.2 2. 49 45/ 47 1.2 3. 1.2 2.5 457 45 2.5 44/ 43 1.4 C 42/ 41 1 / 39 35/ 37 35 18 34/ 33 32/ 31 C 20/ 25 2"/ 23 721 71 2 / 10 11/17 0.26-5 (OL A) 61 Mean No. of Hours with Temperature USAFETAC Rel. Hum. 10F 132F ≥67 F = 73 F = 80 F = 93 F Dry Bulb Wet Bulb Dew Point

PSYCHROMETRIC SUMMARY

TOGOL MAUL OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

PAGE 2 0300-0500

						WE-	BULS 1	-	ATHE	0500	SSION /	81						TOTAL		TOTAL	
Temp. (F)	0	1 - 2	2 . 4	4.4	, .	158	BULB	EMPER	ATURE	IZ IA	18 - 2A	21 22	21 . 24	25 . 24	27 . 20 2	90 30	- 11	D.B./W.B.	Dev Bulk		Daw P-
~E/ ~7		1.4	3 • 4	3.0		7 . 10	11.12	13 - 14	13 . 10	17 . 14	17 - 20	21 - 22		43.40	** : 44 4		• 41		7		
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OTAL		1.2	1.2	3.7	6.2	8.6	11.1	12.3	12.3	11.1	14.8	8.6	8.6						8.1		
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Ilement (X)		Σ×2			ZX		Y	•,		No. Ol	. 1				Mean No	e, of He	urs with	h Tempera	lure	<u></u>	
Rel. Hum.			0643			27		19.1		7.55	81	± 0 F		≤ 32 F	2 67		73 F	> 80 F	≥ 93	F	Total
Dry Bulb		23	5336	 		48	53.	4.5	24		81		1	 _	 			 	 		
Wet Bulb			2 05			20		4.7			81		\dashv	4.6		-+-		 	-		
Dew Point			J338			36		16.			81	21		78.1				 			

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PSYCHROMETRIC SUMMARY

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MAUI OPTICAL SITE HI NORTH TOWER 0001 AUG YEARS 7600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 1.2 3.7 2.5 1.2 -21 62 3.7 50/ 57 1.2 1.2 3.7 1.2 50/ 55 2.5 54/ 53 3.7 2.5 2.5 1.2 3.7 2.5 2.5 12/ 51 5 / 45 1.2 3.7 3.7 45/ 47 16/ 45 2.5 1.2 1.2 2.5 1.2 64/ 43 22/ 41 11 / 34 3~ 36/ 35 3"/ 33 1:7 31 1 / 24 21 75 23 21 17 Element (X) Mean No. of Hours with Temperature 10F ± 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Rel. Hum. Dry Bulb Wet Bulb

C FORM 0.26-5 (OL A) REVISED PREVIOUS

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER STATION Temp. (F) -1./-13 -14/-15 -16/-17 TCTAL

PSYCHROMETRIC SUMMARY

PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point 3.7 3.714.814.811.111.117.3 4.913.6 4.9 61 Mean No. of Hours with Temperature Element (X) 27.217.262 53.1 4.589 38.2 5.1 18 267 F 273 F 280 F 293 F 2204 Rel. Hum. 838 8 81 10F ≤ 32 F Dry Bulb 229956 43..0 81 12.34 3 95 79.2 Dew Point

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PSYCHROMETRIC SUMMARY

nugi MAUI OPTICAL SITE HI NORTH TOWER STATION STATION NAME 1900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 74/ 73 2.5 68/ 67 +6/ 65 1.2 (41 63 627 61 1.2 1.2 1.4 1.2 1.4 1.2 / 59 1.2 1.2 58/ 57 6.4 51/ 55 3.7 64/ 53 1.3 3.7 3. 3.7 12/ 51 1.4 49 1.2 43/ 47 45/ 45 44/ 43 45/ 41 1.2 4 1/ 34 3 ./ 37 341 33 527 31 25 ~4/ 23 21 10/ 17 14/ Mean No. of Hours with Temperature Element (X) ≤ 32 F Dry Bulb Wet Bulb

SAFETAC FORM 0-26-5 (OL A) REVISED !

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PSYCHROMETRIC SUMMARY

STATION		AUI 0		5	TATION N	AME				79				Y	EARS					M	AUG DATH
																		PAG	E 2	HOURS	0-11
Temp.						WET	BULB	TEMPE	ATURE	DEPRE	SSION (F)						TOTAL	T	TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8	9 . 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 = 31	D.B./W.B.	Dry Bulb		
/ 1																					
-t/ -7 -t/ -9																					
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-14/-15		 									<u> </u>					-	1				1
TOTAL		3 . /	4 • 4	20:	1.	9.5	13.6	13.6	16.1	11.	3.7	12.	8.	6 2.			+	81	3	8	1
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Element (X)		Z _X 2		-	ZX		X		-	No. O)s.		L		Mean	No. of	Hours wif	h Tempere	ture	<u> </u>	
Rel. Hum.			729			469		20.0			81	10	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F		F	Total
Dry Bulb		25	8394		4	548	56 ·	5.8	344		81					3.4	2.3	\$			
Wet Buib			3278	4	3.	329		4.			81										
Dew Point			3693	1	1	644	2 .	15.	735		81	12	• €	74 .	6						

PSYCHROMETRIC SUMMARY

300: MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

PAGE 1 1200-1405

Temp.						WET	BULP '	TEMPF	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)		1 - 2	3 . 4	5 - 6	7 . 8	9 . 10	11.12	13 . 14	15 . 14	17 . 18	19 . 20	21 . 22	23 . 24	25 . 26	27 . 2	29 . :	0 > 31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew P
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c4/ 63		}				1.2	,	2.1	1.2	1.3	7 4			1.				-	-		1
2/ 6.		- -	 -	 		1 3	1.2		1.2	104	1.2	2.4			۹			7			
5 / 59		j '		1.2		1 • 4	1.02	1	4.8		1.2					1		11	,		
38/ 57		1.2				 		8	6.0	0.0	2.4			 -	 	+		15	15		
56/ 55				1.2		1.2	2.4		7.1]				18			
54/ 53		 		1,04	1.	>	3.6			1.2				 	 	+		1 5			-
12/ 51		1		}	1.2	2.4	1.2			1					1			1 2]
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Element (X)		ΣX,			Σχ		X	" 2		No. O	8.							th Tempera			
Rel. Hum.									_ _			± 0	F	≤ 32 F	2 (7 F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb				<u> </u>																	
Wet Bulb								<u> </u>	_												
Dew Point				1				1	- 1		1		1	_	1	T		i	1	1	

USAFETAC 1084 0.26-5 (OL.A) REVISE MENOUS EDITIONS OF THIS FORM ARE OBSORET

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC (2001 MAUT OPTICAL SITE HI NORTH TOWER STATION NAME STATION 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 - 6 7 . 8 9 . 10 11 - 12 13 - 14 15 . 16 17 - 18 19 . 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) -4/ -5 TATEL 2.4 6.011.9 8.317.920.711.9 9.5 2.4 6.0 1.2 84 64 84 No. Obs. Element (K) X Mean No. of Hours with Temperature 117871 279717 2825 4825 33.616.597 57.4 5.561 84 ± 0 F 1 32 F Dry Bulb 4.4 84

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FORM 0.26-5 (OL.A) REVISED MEVICUS EDITIONS OF THIS FORM ARE OR

Wer Bulb

Dew Point

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PSYCHROMETRIC SUMMARY

STATION	M	AUI (PTIC	AL S	ITE	HI N	ORT	TOW	ER	79			· · · · · · · · · · · · · · · · · · ·	YE	ARS						NTH NTH
																		PAGE	E 1	1500 HOURS	
Temp.				~		WET	BUL B	TEMPER	ATURE	DEPRE	SSION (3)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb		Dew P
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-6/ 65		İ				ĺ			2.2		1.7	}	1 0 4	1				1 4	3		
54/ 53		 	 	 					2.4	1.2							 	1			-
(2/ 61						1.4	1.2			2.4		2.4	1.2	ļ	1			7	7		
4 / 59		†		1.2		1.2	1.2	1.2	2.4	3.6		2.4					†	15	10		 -
55/ 57			1.2	1.2				1.3	2.4	2.4	2.4	2.4					ŀ	12	12		
51/ 55		 						13.1	4.8		3.6	1.2					<u> </u>	19	19		
4/ 53						2.4	7.1		. ' - 7			7						11	11		,
12/ 51		T	<u> </u>		3.6	1.2	4 . 8	2.4	2.4			· · · · · · · · ·			 		1	12	12		
5 / 40			1		2.4		1.2		- 1					ĺ				F	•		1
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/ 2		<u> </u>																			
Element (X)		ΣX1			z _X		¥	₹		No. Ob	8.				·		~	h Temperatu			
Rel. Hum.				 		\perp						≤ 0 F	<u>' '</u>	32 F	≥ 67	F i	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb				ļ				ļ	_ _				_ _			_		ļ	ļ		
Wet Bulb						\perp		<u> </u>							└ ──	_			 -		
Dew Point													L					<u> </u>	.l		

USAFETAC NOW 0.26-5 (OLA) RIVISO MENOUS EDITIONS OF THIS FOLL ARE ON

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 30001 MAUI OPTICAL SITE HI NORTH TOWER 79 AUG MONTH PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) -3/ -9 TOTAL 7.1 8.316.721.415.5 9.5 7.1 8.3 84 84 ₹ 9 Meen No. of Hours with Temperature Element (X) Rel. Hum. 11133 2788 33.215.048 84 ± 0 F ± 32 F ≥ 67 F = 73 F = 80 F = 93 F 266187 4714 56.1 4.438 Dry Bulb 84 149927 3531 42. 4.250 84 2 92 63146

GLORAL CLIMATOLOGY BRANCH USAFCTAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

TUPL MAUL O-TICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000

Temp						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)	-					TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	D.B./W.B.	Dry Bulb		Dew Po
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52/ 61		1									1.3			[1	1		
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5-/ 55		. <u> </u>	ļ				2.5	2.5	1.3	2.5		1.3						8	8		
.4/ 53			1	5.1			1.3	1.3	2.5		3.8	ÌÌ		1]			11	11]
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45/ 45				1.3		3,8												9	9		
147 43		 	 -		1.	1.3		2.5	1.3					ļ				5	5		i
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-6/ -7									لتجيا						14	. 7					
Element (X)		Σχ²			ZX		X	- *x		No. Ob	*-			- 32 -	Meen N ≥ 67		ours wit	h Temperat	≥ 93		Total
Dry Bulb									-+-			± 0 (-	≤ 32 F	2 07	<u>- </u>	/3 F	7 60 7	+ 2 73	<u></u>	10101
Wet Bulb				 				 							 			 			
Dew Paint				 -											 			 			

SAFETAC FORM 0.26.5 (D)

 \square GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 00001 79 (PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -8/ -9 -17/-13 TOTAL 1.310.1 8.913.912.713.9 8.9 8.913.9 5.1 2.5 79 79 79 ₹ 0.26-5 (OL Element (X) No. Obs. Mean No. of Hours with Temperature 111515 Ret. Hum. 2595 32.818.353 79 s 32 F 51.6 5.436 38.3 4.478 19.313.785 2125 4075 79 Dry Bulb 3 29 1522 93 1177 79 Wet Bulb 83.6

GLORAL CLIMATOLOGY BRANCH USAFETAC FIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 6 / 59 1.3 FS/ 57 1.3 1.3 5(/ 55 1.3 3.8 1.3 1.3 4/ 53 3.8 5. 2/ 51 3.8 2.511.4 2.5 1.3 2.5 3.8 2.5 56/ 47 40/ 47 3.8 46/ 45 -4/ 43 2.5 1.3 1.3 12/ 41 3.8 0. / 39 37 76/ 35 17 347 33 27 31 1 / 29 301 27 20/ 25 23 10 : 1 10/ 15 4/ 13 1./ 11 C 0/ (OL A) -1/ -5 -41 /-11 Meen No. of Hours with Temperature Element (X) 267 F = 73 F = 80 F = 93 F Rel. Hum. 10F ≤ 32 F Dry Bulb Wet Bulb Dew Point

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

STATION	MAU	I OP	116	5T	ATION N	MI N	IORIF	1 101	ER	79				YE	ARS					MO MO	UG HTH
																		PAG	£ ?	2130	-2301
Temp.						WET	BULA	TEMPE	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0 1	1 . 2 3	- 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 . 2	4 25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
TOTAL			1.31	12.7	13.9	8.9	15.2	11.4	12.7	3.8	15.2	5.1		4 25 - 26					79		7
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Element (X)	Σ	X²	-+		z _X		X	•,		No. OI	5.	L			Meon I	No. of H	ours wit	th Tempere	lure		
Rel. Hum.		122	455			87	34.0	119.	956		79	± 0 (≤ 32 F	≥ 67		73 F	> 80 F	▶ 93 I	F	Total
Dry Buib		201	145		39	65	50.	5.	241		79		$\neg \vdash$			_			1	\neg	9
Wet Bulb		114	102		2 3	772	37.6	5.	112		79			12.9	1						9
Dew Point		45	991		14	3.9	18.	15.	7 7 8		79	17	-	82.4				1	$\overline{}$	$\neg \neg$	· ·

GLOBAL CLIMATOLOGY BRANCH USAFLTAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 2301 PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Tenp. 1 . 2 | 3 . 4 | 5 . 6 | 7 | 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 - 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) 741 73 7 1 69 tel 67 61 65 -4/ 63 52/ 61 1.1 59 48 48 56/ 55 3.2 3.5 1.8 1.7 102 84 131 51 2.1 85 50/ 49 47 401 1.2 3.1 45 1.4 45 10 35 46/ 45 2.7 44/ 43 20 69 42/ 41 4 / 34 103 38/ 37 102 101 35. 14 93 33 3. 30 7 / 29 53 48 23 19 26 2/ 17 1 / 15 14/ 13 11/ 11 14 Mean No. of Hours with Temperature Element (X) Dry Bulb Wet Bulb

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

<u>. 0</u>601 MAUI OPTICAL SITE HI NORTH TOWER STATION STATION NAME PAGE 2 ALL HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point (F) 4/ -01 -7 /-11 -1.7-13 -14/-15 ---/-17 -12/-19 TEFAL ·\$ 5.5 6.911.513.414.313.210.510.d 7.4 4.2 655 650 650 65 Element (X) Mean No. of Hours with Temperature Rel. Hum. 551777 247 F 273 F 280 F 293 F 31.218.270 20306 657 ≤ 32 F 1396323 34011 53.7 5.726 650 Dry Bulb 744 1 35301 25722 Wet Bulb 39.6 5.181 655 43.5 744 397 136 19.515.210 Dew Point 12668 107.6 623.8 650 744

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME YEARS 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 - 18 | 19 - 20 | 21 . 22 | 23 . 24 | 25 - 26 | 27 . 28 | 29 . 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) ·2/ E1 6/ 57 3.4 1.1 1.1 2.3 50/ 55 2.3 .4/ 53 1.1 1.1 1.1 2/ 51 1.1 1.1 5 / 40 1.1 1.1 13/ 47 11:/ 45 3.4 44/ 43 1.1 #2/ 41 3.4 3,7 3.1 1.1 1.1 6.9 1.1 6/ 35 2.3 2.3 31/ 33 2.3 1.1 S27 31 1 / 30 .:/ 25 `"/ 23 2/ 17 13 4/ . 1 Mean No. of Hours with Temperature ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. ± 0 F ≤ 32 F Dry Bulb

(OL A)

Wet Bulb Dew Point GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

(1001) MAUI OPTICAL SITE HI NORTH TOWER 3000-0200 HOURS (L. S. T.) PAGE ? WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point (F) ->/ -7 /-11 -1 /-13 -11/-19 /-?1 TOTAL 7.6 P.6 E.019.21E.629.61E.018.11E.5 L.1 Mean No. of Hours with Temperature Element (X) 124391 Rel. Hum. 2832 32.519.261 s 32 F 44.2 7.949 175189 3543 87 3.1 Dry Bulb 50.7 Wet Bulb 49 96 2950 32.9 7.684 87 90 1148 80.7

10.26.5 (OL A) REVISED PRE

AFETAC FORM 0-26-5

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	MAUI OPTICAL SITE HI NORTH TOWER	79 YEARS	SEP MONTH
		PAGE 1	0300-0500 Hours (L. s. T.)

																				HOURS (L. S	J. T.
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb De	w P
-4/ 63											1.1							1	1		
. / 59									1.1								<u></u>	1	1	<u> </u>	
€/ 57				2.3		1.1			2.3									6	6		
56 / 55		1.1	2.3	2.3				1.1		1.1								9	9		
4/ 53		1			1.1					2.1					l			3	3	a	
2/ 51																				- 4	
1 44											1.1			İ			1	1	1	3	
18/ 47			lan at videnagen				2.3	1.1	2.3									5	5		
6/ 45		!			1.1		1.1		1.1						Į	ļ		3		1	
4/ 43				1.1	4.6	5.7	2.3	1.1	L								<u> </u>	13		5	
-27 41				2.3			5.7						ļ		ļ	ļ		9	q		
1 35						1.1	9.2	1.1	1.1				<u> </u>				<u> </u>	11			
37	1.	2.3			4 . 5	6.9	1.1	2.3			İ							16	16	7	
./ 35							2.3	<u> </u>						<u> </u>	ļ		<u> </u>	4	4	14	
1/ 33			1.1		1.1	1	1.1	1			İ						İ	3	3	7	
1 31		1 . 1	1.1					 			ļ				ļ	<u> </u>	ļ	4	3	9	
/ 20				ĺ							İ		ĺ							13	
1./ 27		 							<u> </u>								<u> </u>	 		13	
6/ 25		-						Ì									İ			6	
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ement (X)		ZX'			ZX	T	X	₹		No. O	1.				Mean	No. of H	ours wit	h Temperat	ure	·	_
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y Bulb									$\neg \top$						1			T .			
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ALL 64 0-26-5 (OL A) REVISED MEYICUS EDITIONS OF THIS FO

SAFETAC FORM A 24 E.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10001 MAUI OPTICAL SITE HI NORTH TOWER 79 STATION STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -:/ -9 /-11 -14/-15 -^2/-23 -75/-29 TOTAL 1.1 4.6 5.7 8.014.919.525.3 6.9 8.7 3.4 2.3 87 Element (X) Mean No. of Hours with Temperature 3494 40.22.024 :82238 87 ≤ 32 F ≥ 93 F 174741 3841 44.1 7.748 87 Dry Bulb 2. 1 7973 46.6 Wet Bulb 2983 34. 3 8.065 87 90 52393 1569

The 64 0-26-5 (OLA) REVISED METVIOUS EDITIONS OF THIS FORM

USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

USAFETAC COM. O.

PSYCHROMETRIC SUMMARY

ODE: MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME YEARS MONTH

PAGE 1 3603-0808

Temp.						WET	BULE '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dew Po
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5 1/ 57				?.3	1.2	1.2			1.2		1.2	1.2						7	7		
5(/ 55		1.2	2.3			1.2								L				5	5		
14/ 53										1.2								1	1		
12/ 51	i	1.2							1.2									2	2	6	
5 / 40								2.3		1.3								3	3		
1:/ 47				1.2			2.3	1.2	3.5]			7	7	<u> </u>	
66/ 45					1.7	2.3		1.2	2.3									7	7	1	
44/ 43						3.5		2.3	1.2										7		L
4.				1.2	1.3									ļ,				11	11		4
4 / 3)						2.3	10.5		1.2									12	12		
34/ 37					5.8	3.5		1.2									İ	11	11		4
7/ 35						3.5												3	3	1;	1
34/ 33				1.2	1.7		1.2	1						ĺ				4	4	9	3
*// 31			1.2			1.2												2	2		}
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Vet Bulb																			1		
ew Point]							- 1							1	

SLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY ATR WEATHER SERVICE/MAC .0001 MAUI OPTICAL SITE HI NORTH TOWER YEARS PAGE 2 7600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1.2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 33 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -1:/-15 1-21 TOTAL 2.3 4.7 5.812.822.124.411.610.5 3.5 1.2 1.2 86 86 ₹ õ Mean No. of Hours with Temperature Element (X) 13949 3074 35.718.66 10 F ≤ 32 F 3835 176195 44.6 7.807 86 2.1 Dry Bulb 33.8 8.145 174037 35.78 53.4 Wet Bulb 86 42825 75.3

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR KEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 79

0900-1100 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION ((f ')						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 3	0 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
44/ 63							1.2			1.2		1.2						1	3		
:21 61		1				2.3	1.2	ł	1.2			2.3		-				1	7		
1 1/ 59		-		1.2	1.2	1.2	1.7	-				1.2		1					4		1
50/ 57		1		2.3				I]]]		
56/ 55		1	†			1.7				1.2	-	1					1		3		1
-4/ 53			!				I							-				1	1 1		4
727 51		1	 	!		2.3	1.2	1.2	2.	1.2		 	· · · ·	1				1	7		
5 / 45			1	1	1	2.3	2.3	1.2				ì		Ì		Ì	1	1 17	h 1 d		a l
45/ 47		1	!	1.2	2.	3		1.2	4.									ļ	A		1
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4 / 39		1	1.2	1.2	1.2			1					\vdash	1				1			,
3:1 37						1.2		1.2										3	3 3		
30/ 35			!		1.2						i	 		 				1	1		7
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Dry Bulb									_			<u>`</u>						 			
Wet Bulb				 				 	_				\dashv		 			 	+	_	
				 											 						

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

-- CODI MAUI OPTICAL SITE HI NORTH TOWER 1900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Daw Point (F) -4/ -5 -1/-9 -11/-13 -14/-15 TOTAL 1.2 7.010.518.616.318.615.1 7.0 1.2 4.7 86 No. Obs. Element (X) 33.316.506 ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F .18883 2865 ≤ 32 F 4 0 F 2.17686 4178 48.6 7.446 86 90 Dry Bulb 118947 36.5 7.409 3135 86 46763 1568 86 74.3

ETAC FORM 0-26-5 (OLA) REVISED PREVI

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION		AUI (77 110	51	TATION N	AME	URIN	10,	IC R	<u>79</u>				YE	ARS					м	SEP INTH
																		PAG	E 1	1201	0-14C
Temp						WET	BULBT	EMPER	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Element (X)		Z X ?			ZX		¥	٠,		No. Ot	s.				Mean I	No. of	Hours wit	h Tempera	ture	<u> </u>	
Rel. Hum.												± 0	F s	32 F	≥ 67		≥ 73 F	> 80 F	≥ 93	F	Total
Dry Bulb												······································			1	_					
Wet Bulb					_				$\neg \vdash$				$\neg \vdash$			_			1		
Dew Point									$\neg \vdash$						 			†	1		

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION -	F1.	AUI C	2 L 1 T (5	TATION !	(AME	וואטו	1 10	# C.R	7	7			Y	EARS					MON	E P
																		PAG	E 2	1200 HOURS (L	-14 5. T.
Temp.						WET	BULB	TEMPE	RATU	RE DEP	RESSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - \$	9 - 10	11 - 12	13 - 14	15 - 1	16 17 -	18 19 - 2	0 21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30) × 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
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-6/ -9		1		1																	
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-14/-15				1					ļ	-											
-16/-17				 	<u> </u>												1				
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Element (X)		ΣX'			Σχ		X	•,		No.	Obs.				Mean	No. of I	lours wi	h Tempere	ture		
Rel. Hum.		11	1285	2		760	32.	16.	342		84	= 0	F	≤ 32 F	≥ 67	F	≥ 73 F	≥ 80 F	≥ 93	F 1	Total
Dry Bulb		21	1188	5	4	173	49.	7.	425		84										
Wet Bulb		12	2 754	\$	3	125		7.			84			28.9	9						
Dew Point			167.			578		15.			84	 	7.4	75.0				1 — —			

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 4/ 63 1.2 · / 59 1.2 2.4 2.4 2.4 3.5 ٠./ 57 1.2 2.4 1.2 56/ 55 1.3 14/ 53 1.2 1. 12/ 51 4.7 1.2 5 / 45 1.2 457 47 2.4 40/ 45 2.4 2.4 2.4 3.5 14/ 43 5.9 7.1 12/ 4 2.4 1.2 1. 11 4, / 30 1.2 3. / 37 1.2 2.4 U/ 35 1.02 34/ 33 °/ 31 3 / 79 ~e/ 27 17 25 11 23 2/ 21 1 19 13/ 17 13 ₹/ No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ≤ 0 F ≤ 32 F Dry Bulb Wet Bulb

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₹ S P 0.26.5 NG NG

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	<u>M :</u>	AUI C	PTIC	AL S	TATION N	HI A	VORTH	1 TO	VER	79				YE	ARS					S	EP NTH
																		PAG	E 2	1500 Hours (1-1700
Temp.						WET	BULB	TEMPER	RATURE	DEPR	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-14/-15 -*:/-17													-								1
TOTAL				5.9	15.	12.9	15.	22.4	20.0	4.7	2.4	1.2						85	85	85	85
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Element (X)		Σχ'			Σχ		Ĭ	· ,		No. O					Mean N	e, of H	ours wit	h Temperal	lure		
Rel. Hum.			1228	1	21	303	33.0	15.	375		85	± 0 1		≤ 32 F	≥ 67	F .	73 F	> 80 F	> 93 1	F	Total
Dry Bulb			692			49		7.3			85			1.1				<u> </u>			80
Wet Bulb		1 1	7689	1	3		36.0	6.8	377		85			29.6				ļ			9:
Dew Point			516	1	1	579	13.6	13.	728		85	8	• 5	77.3				<u> </u>			3

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GLURAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC MAUL OPTICAL SI STATION

PSYCHROMETRIC SUMMARY

SEP
STATION STATION NAME

MAUI OPTICAL SITE HI NORTH TOWER 79

SEP
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PAGE 1 1800-2000

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Rel. Hum.				-					-		 ¦	± 0 I		32 F	≥ 67		73 F	≥ 80 F	≥ 93	<u>-</u>	Total
Dry Bulb				 				ļ							 			 			
Wet Bulb				 				 							 			ļ			
Dew Point				<u></u>																	

FETAC FORM 0.26-5 (OLA) REVISED MEYIOUS EDITIONS OF THIS I

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC €. MAUI OPTICAL SITE HI NORTH TOWER STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -c/ -? <u>-1</u>./-13 -16/-17 -15/-<u>1</u>9 - 21-23 - 6/-29 TETEL 5.1 1.2 4.0 4.815.733.715.710.8 4.8 1.2 83 83 C Ĉ **(** (0.26.5 No. Obs. Mean No. of Hours with Temperature Element (X) 131946 2842 34.220.551 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 83 = 0 F ≤ 32 F Total 165447 370 63 Dry Bulb 44.6 7.190 1.1 33.5 6.997 771.28 ·730 Wet Bulb 83 47.7 35339 75.9

GLOPAL CLIMATOLOGY BRANCH USAFETAC ATM KEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

OTIDI MAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME

PAGE 1 21CH-23TO HOURS (L. S. T.)

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TOTAL

Temp.						WET	BULB 1	EMPER	ATUR	E DEP	RESS	ION (F)						TOTAL		TOTAL	
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12/51		 		 			1.2	1.2	1	7 1	3				 -	 	 	·		,	-	
13/51				1.2			. • .	2.4	^ •	7	3					1			7] ;		
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112/4				1.2		2.4	3.6	1.2		7		Ì		!					7			,
(/ 31		 				2.4	7.2	1.2		 	-			 	 	 	<u> </u>	 -				1
3 / 37				2.4	2.1	1.2	6.	1.2		İ									1 11	١,] ;	1 ;
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Element (X)		Σχ²			Σχ	\Box	X	₹		No.	Obs.	\Box				Mean	No. of H	ours wit	h Tempere	lure		
Rel. Hum.												$_{-}$ T	⊴ 0	F	± 32 F	≥ 67	F	73 F	> 80 F	≥ 9"	F	Total
Dry Bulb																						
Wet Bulb																				7		
Dew Point																				1		

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

PAGE 2 2100-2300

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
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Element (X)		EX			Z X	<u> </u>	X	₹	<u> </u>	No. OI	L 7	L	L	L	Mean	No. of M	ours wil	h Tempere	luze	l	<u> </u>
Rel. Hum.			3038			118		16.6		70. 01	83	± 0		± 32 F	2 67		73 F	> 80 F	¥ 93	F	Total
	····	1 4	338	}		29	47.7	7.5	34		83	2 0	-	4.3			. ,,,	- 00 1	+ - /3	. -	3:
Dry Bulb			83.5			47	33.0	6.9	20		83			57.5				+	+		ÿ.
Wet Bulb			9267			49	3 1 9	15 7	74		87		, ,			-		 	+	-+	9
Dew Point			7201	r -ter-ennemany		7 7	1 04	15.8	43		0 `	1	7.3	82.4	1			1			<u> </u>

JUL 64 0-26-5 (OL.A) REVISED PREVIOUS

IICAEETAC MAM

CLOTAL CLIMATOLOGY BRANCH USAFETAC AT " WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	57; B1	.01	PTIC	S1	TATION N	AME	URIT	. 10,	CK	<u>79</u>				YE	ARS						EP NTH
																		PAG	Εt	HOURS	L. S. T
Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew F
-6/ 65						- 1						·						1 1	1		
. 4/ 63					• 1			1	• 1	• 3	• 1	3						10	10		ļ <u>.</u>
12/ 61					•	• 3	• -	1	1	• 3	• 3	• 4				į		17	17		ļ
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87 57 537 55		,	• }			!!!	• 3	1			: 1	• 1				į		36			4
14/ 53		• 3			1.3	• 3		!		7								32]
2/ 5:		. 3	• 1		• 1	• 3	1.1		1.8	1								2 2		9	1
51/40		<u> </u>	• 1	+		1.2	10.		1.5									42	42 40	24	
1 / 47		j	-	• -		7	1.5							į ,				40		16	!
4//45		 	 -		1.2													59 59	<u>51</u>		
4/ 43			!		1 .		1.					İ		İ				70			1
-/ 4	··	 		1.5		1.9	3.1											70			
11/ 39			, • दे	. 1						1					i			68	68	3:	7
3:1 77		. 7		. 4			2.8	1.										64			
1 / 35	-	1	1				1.		l .					1 1		1		27		5	
34/ 33		• 3	• 3	. 4	+			•	7									19			1
2/ 31		. 3	.3			1 ;		3]		Ì		10			
7 / 20					• 1													1	1	96	1
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16/ 25				• 1														1	1	36	× ×
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2/ 21		Ì		1																12	2
- / 13			ļ	ļ					<u> </u>					L							!
15/ 17					(Į		ļ											
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1-/ 13		1		i		l i															İ
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1/5				 -	 -				 -	 											+
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7/3		 -		 		 		 	 									 			+
/ -						; }				[1
Element (X)		Ž X 2		 	ZX	┶┯┵	Ţ.	•,		No. Ol)T				Meen h	lo, of He	urs wit	h Temporat	lure		<u> </u>
Rel. Hum.							<u></u>	† 	<u> </u>		$\overline{}$	≤ 0 1	.	≤ 32 F	≥ 67		73 F	≥ \$0 F	≥ 93	F	Total
Dry Bulb												·			<u> </u>			1	1		
Wet Bulb								1					-			_		1			
Dew Point				 				1										 			

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC 10001 MAUI OPTICAL SITE HI NORTH TOWER MCITATE WET BULB TEMPERATURE DEPRESSION (F) Temp (F) 1 -3 -4/ -5 -0/ -7 -1/-9 - /-11 -1 //-13 -14/-15 - 16/-17 -.5/-19 -~ /-21 - 2/-23 -15/-29 - 1-31 - '.'/-33 TOTAL ğ No. Obs. Element (X) 1014626 23088 Rel. Hum. 33.418.466 681 1435453 31351 46. 7.874 681 Dry Bulb £53771 23548 34.4 7.623 Wet Bulb 681 339355 1,935 661

PSYCHROMETRIC SUMMARY

PAGE 2 ALL HOURS (L. S. T.) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point . 1.9 2.1 7.211.516.022.516.013.8 5.7 2.1 1.2 Mean No. of Hours with Temperature ×67 F = 73 F = 80 F = 93 F ≤ 32 F 13.7 347.8 58.9 615.3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIL WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION STATION NAME OF TOWER 79

VEARS

OCT

MONTH

PAGE 1 0000-0200

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL	Ī	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 . 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
-2/ 51		$\dot{-}$			† <u> </u>		1.4		1	† <u>'</u>				1				1	ļ .		
3 / 49					1		1.0											1	•	1	1
PE/ 47					1.4				1.1					 		 	 	1			
40/ 45		ĺ			••		, ,	1 /		1.4	ļ									1	
"4/ 43					 	4.0	2.1			1.0				 	\ 		 			<u> </u>	
	į				2	4 • 3	7.07	[
42/ 41					20	15.9 29.0	2 6	300		 						 	 	25			
31 / 37	1				20	29.	2.9	1.4		!	ļ !					ŀ	1	2	33		1
71/35					3.0	7.2				 	ļ			 			 	ļ <u>-</u>	1.		}
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3 - / 33						ļ		ļ		 -	 					ļ		 	ļ		
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7. / 77	İ																			(4
2/ 25														ļ			├ ──		 	<u> </u>	4
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/ 12															<u> </u>		<u> </u>			ļ	ļ
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STAL					13.7	60.9	14.5	8.7	1.4	1.4								1	90		6
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Element (X)		Z _X 2			ZX		X	· x		No. Ol	s.			-	Mean	No. of H	ours wit	h Tempera	ture	1	
Rel. Hum.			7237			307		7.6			69	≤ 0 1	F :	± 32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb	-	15	.7 19		36	69	47.8	3.5	73		90			2.1				1	1		9
Wet Bulb			7423	-		49	31.	2.6	91		69			70.1							
Dew Point			7664			116	14.7				69	<u>1</u>	 -	93.0				+			

ETAC FORM 0.26-5 (OLA) REVISED MENOUS EDITION

GLUBAL	CLIMA	TOLOGY	BRANCE
USAFETA	.C		
ATR WEA	THER	SERVICE	ZMAC.

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER STATION NAME 0300-0500 PAGE 1

																		1 = 2 =			L. S. T.)
Temp.		T				WET	BULB	EMPER.	ATURI	DEPRE	SSION	F)		Ta	100 55			TOTAL		TOTAL	15 -
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8			13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Por
45/ 45			1			1.5		ا . ا		1				1				1	2		
(4/ 43		ļ				7.5	7.5	1.5		ļ		ļ	ļ	 -	ļ	↓	ļ	11	12		ļ
42/ 4:						31.3		1.5				İ						22	29		
4 / 39		ļ				32.8	1.9			ļ	L	ļ	ļ	 	<u> </u>		<u> </u>	23	35		
38/ 37]		1	4.5	3.0						1] 	Ì				5	7		
26/ 35 34/ 33					7.5					<u> </u>	ļ	ļ	L	ļ				5	5		
34/ 33								1			l		ł			ĺ		ł		1.	
∠/ 31 ~/ 29																ļ				29	
1 29											1				Ì		•		1	18	3
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4/ 13		i '			ĺ			1			1	1	1	Ì	1			Ì			
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TOTAL		1			11.9	76.1	9.0	3.1		1				1	1			 	90		ь
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Element (X)		Σχ'			z x		X	₹		No. OI	5.	L	L	ــــــــــــــــــــــــــــــــــــــ	Mean	No. of H	ours wit	h Tempera	ture	l	L
Rel Hum.			5458		21	12	37.9	4.4	50		67	10	F	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			8276		36	48	4 .5	2.1	47		90	<u>`</u>	\dashv				·····	1	+		9
Wer Bulb			44 3			33	31.1				67			73.6				 	<u> </u>		ý
Dew Point			8585			99	16.3	3.2			67		-	93.	1			 	_'		9

SLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER STRVICE/MAC

PSYCHROMETRIC SUMMARY

ยยาเ MAUI OPTICAL SITE HI NORTH TOWER OCT STATION STATION NAME 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 127 5 4. / 47 4. / 45 9.7 1.5 11.9 9.5 1.5 44/ 43 1.520.9 42/ 43 4.5 24 31/ 37 6.411.9 1.4 1.5 3' / ?3 7./ 31 25 21 25 -4/ 23 2/ 21 - / 19 15/ 17 9 1./ 15 1 1 13 8 TOTAL 1.511.959.722.4 1.5 3.7 No. Obs. Mean No. of Hours with Temperature Element (X) 92459 67 ≤ 32 F ≥ 80 F Rel. Hum. 245 36.6 6.509 1 0 F ≥ 93 F Total 151581 47.9 3.117 90 Dry Bulb 3683 Wet Bulb 66762 2110 31.5 2.177 67 62.5 18944 Dew Point 1088 67

(OLA) BEVISED MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

t

FORM 0.26-5 (OLA) REVISE

USAFETAC FORM 0.24

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

PAGE 1 3900-1100

Temp.						WET	BULB	TEMP	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pai
21 51		1								1.5								1	7		
5 / 49		1)			ì	4.0	Ì	1.5			Ì)]	'		4	5		
: 1/ 47					1	5.9	10.			1.5								12	14		
4/ / 45					1.5	4.4	19.			j				1				1.7	21		
14/ 42					5.4	11.5	4.4											15	18		
-2/ 41		-			2.0	8 . 8	2.9	>		1								10			
11 / 3.					2.9	5.9	1.											7	11	2	
31/ 37					1.9	1		İ				1						1	4	9	
1/ 35		i .										Ī								18	
3-/ 33					1.	•		!										1	1	23	
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TOTAL					16.2	36 . 8	42.		1.5	2.9	}								9'		68
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Element (X)		Σχ²			ZX	' 	X	₹		No. Ob	. 1				Mean N	lo. of Ho	ours wit	h Temperat	Ure -		
Rel. Hum.			898		25	42	37.0	7.6	82		68	≤ 0	F	± 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		17	5246		39	139	44.	3.3	62		90				t	1			1		9
Wet Bulb			9 L 28		2	14	34.	2.4	86		68		_	21.9					1		۶.
Dew Point			7188		1	.4		5.			63		• 7	93.0				 			9

SLORAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

STATION			5	TATION N	AME								YE	EARS					MO	NTH
																	PAG	E 1	12m)-1400 (L. S. T.)
Temp.					WET	BULB	TEMPER	RATURE	DEPR	SSION	(F)						TOTAL		TOTAL	
(F)	0 1.	2 3-4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 30	2 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
' / 59									1.5								1	1		
5./ 55					L		1.5	1	2.9	.		_					3		<u> </u>	
1/53			T					4.0	4								6	6	,	
14/ 51					<u> </u>	1.5	2.	2.	<u> </u>								5	5	<u> </u>	
5 / 47	i					4.4		2.9	1.	\$							10	13	\$	
407 47					2.9	13.	\$	1.5									1.0			
ar/ 45	-		i			16.	₹								1		19	22	4	
447 43			·		13.2	<u> </u>			ļ								9	12		
42/ 4.		ļ	1		1.5					ļ			1				3	6	, 7	1
3-/ 37			<u> </u>	1.	-	1.5	-	ļ <u>.</u>			1						2	3	L1	!
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34/ 33		_	 		-		ļ			ļ			+	 				نـــــا		i
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72/ 21			1								i l		i							10
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		1																, !		
Element (X)	ΣX²			ZX		X			No. Ol					Mean N	to. of He	ours wit	n Temperat	ure		
Rel. Hum.		8.01			774	33.4	7.	794		68	≤ 0 f		≤ 32 F	≥ 67	F >	73 F	≥ 80 F	≥ 93 1	F	Total
Dry Bulb		21114			260	46.8	4.	376		91										93
Wet Bulb		8762	3		+35	35.5	2.5	29		68		\perp	6.8							93
Dew Point		2742	1	13	323	19.5	5.	339		68	1	. 4	93.0	1	_					93

USAFETAC FOR 0

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIF WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER OCT 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 53 1.5 1.5 2/ 51 2.9 5 / 49 1.5 48/ 47 8.9 2.9 1.5 44.1 45 1.910.314.7 4.4 23 21 14/ 43 11.8 5.9 8.8 2.9 1.0 4 / 29 2.9 34/ 37 1.5 31/ 35 33 341 61 34 1 21 1.7 25 24 / 23 -2/ 21 19 1 19 17 10 1/ 15 2 1./ 11 1 TOTAL 2.935.333.919.1 5.9 2.9 68

No. Obs.

68

90

68

10F

≤ 32 F

20.5

7.847

3.741

34.4 2.824

33.3

45.3

Mean No. of Hours with Temperature

93

C FORM 0-26-5 (OL A) REVISED MEVIOUS EDITIONS OF THIS

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

7737

186 24

54 51

2471

2262

4 778

234

12:7

GLORAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

JUD 1	<u> </u>	AUI C	PTIC		TATION N		VORTE	TOL	IER	79				YE	ARS					С	OCT NTH
																		PAG	ε 1	1800)-2000 L. S. T.)
Temp						WET	BIII B	TEMPER	ATURE	DEPRE	SSION	(E)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 . 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 . 2	24 25 - 26	27 - 28	29 - 30	× 31		Dry Bulb	Wet Bulb	Dew Point
12/ 52	<u>-</u>	 			-		1.4			1		10, 00				•	-	—			
5 / 49					1		1.4)			1 1						1			1
48/ 47		 -	 				1		5.7	1		1						4			
46/ 45		1		Ì)		1.4	1.4			Ì]]				·	Ì	1		}	1
44/ 43		 	T		1.1	4.	311.4			1				1				12	1:		
02/ 41				1	1.4	22.	15.7	1.4				1 1			'			12	33		ĺ
4 / 30		 -	!	 	2.0	12.	1.4	1.4						-				13			
35/ 37			1		2.0	4	1.4]			1 1			l '			6			
7./ 35		İ			1.1													1			,
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Element (X) Rel. Hum.		Σχ²	86313		Σχ	163	34.3	7.4		No. Ob		± 0 F	. T	± 32 F	Mean F		73 F	h Tempera > 80 F	rure ≥ 93	E	Total
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GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AJR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 * 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 4/ 53 1.4 12/ 5. 5 / 40 1.4 44/ 47 45/ 45 1.4 14/ 43 2.7 8.6 1.4 1.417.117.1 2.9 37/ 41 29.0 2.9 1.4 1 / 30 7 / 37 7.1 4.3 7.9 1.4 3' / 33 ../ 27 8/ 17 11/ 15 . // 13 16 TOTAL 1.411.448.628.6 7.1 1.4 Element (X) Mean No. of Hours with Temperature

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GLORAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

TOE. HAUI OPTICAL SITE HI NORTH TOWER 79

STATION STATION NAME 79

PAGE 1 ALL HOURS (L. S. T.)

Temp						WET	BULB 1	FMPFO	ATUP	F DF	PRF	MOISS	(F)								TOTAL	\top		TOTAL	·
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Element (X)		Σχ'			Z X		X	* _A		Ño.	. ОЬ	8.					Mear	n No	. of H	ours wit	h Tempe	rature			
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point - 41 D - 148 - 827 - 6 7 - 3 4 - 1 1 - 6 719 547 TOTAL 547 547 Element (X) No. Obs. Mean No. of Hours with Temperature 717332 19340 547 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 35.4 ≤ 32 F Tetal 7.837 4 0 F 42.5 1312047 33567 4.180 719 4.1 Dry Bulb 3.75 5.741 586295 Wet Bulb 17829 32.6 547 402.6 744 171421 Dew Point 738.6

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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7						WET	801 8 1	FARES	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
Temp. (F)	0	1 - 2	3 . 4	5 - 6	7.8	9 . 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B. D	ry Bulb	Wet Bulb	Dew Pein
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44/ 43		<u> </u>]	1.0			2.0	4.1	5.]			14	14	1	
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Rel. Hum.												± 0 F		≤ 32 F	≥ 67	F	73 F	> 80 F	≥ 93 t	F	Total
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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMAR** USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 77-79 STATION NAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - . 5 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pe (F) 3.1 3.113.3 5.1 7.1 6.119.425.516.3 1.0 TOTAL 113 13 C õ 0.26-5 No. Obs. 28.921.21 Mean No. of Hours with Temperature Element (X) 12562 2834 s 32 F *73 F | *80 F | *93 F Total 90 214354 4894 43.3 4.625 113 Dry Bulb 99494 Wet Bulb 31.7 3.487 55.1 9 J

PSYCHROMETRIC SUMMAR

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 77-79 NOV MONTH PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Poir 5 / 49 11.1 48/ 47 1.0 1.0 3.0 1.015.2 2.0 2.0 2.0 5.1 5.1 45/ 45 24 21 44/ 43 42/ 41 1.0 3.0 3.0 3.0 2.0 5.1 4.1 21 21 1.4 3.4 2.5 1.4 1.0 32/ 37 2.7 1.0 1.0 2.0 36/ 35 341 33 17 327 31 281 27 .61 25 24/ 23 :21 21/19 12/ 17 1 7 -1../-13 -14/-15 -16/-17 Mean No. of Hours with Temperature Element (X) Rel. Hum. ± 32 F 267 F 273 F 280 F 293 F 5 0 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0.26-5 (OL.A) REVISED FREWOUS EDITIONS OF THIS FORM.

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PSYCHROMETRIC SUMMARY |

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Rel. Hum.	 12	9612	<u> </u>	2	748	27.0	21.6	26		99	≤ 0 (s 32 F	≥ 67	<u> </u>	73 F	2 80 F	≥ 93	F	Tetal
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Wet Bulb	 ٠	5127	<u> </u>	٤,	1	3100	3.	: 40		99			59.1		\perp		 		——	90 90
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PSYCHROMETRIC SUMMARY

OGG MAUI OPTICAL SITE HI NORTH TOWER 77-79

STATION STATION HAME YEARS MONTH

PAGE 1 0600-0800

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	L. 3. 1.7
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Element (X)		Σχ'			ZX		X	1 1		No. O					Mean	No. of t	lours wil	ih Tempera	ure		
Rel. Hum.												30	F _	≤ 32 F	≥ 67) F	≥ 73 F	≥ 80 F	≥ 93 (F	Tetal
Dry Bulb																					
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Dew Point																					

USAFETAC COM 0.26-5 (OLA) revisio revious torricus of this four are oscotre

PSYCHROMETRIC SUMMARY

1.0001 MAUI OPTICAL SITE HI NORTH TOWER PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -.5/-19 -24/-25 -:2/-33 -34/-35 TOTAL 2.3 6.1 4.3 9.1 9.1 2.014.130.316.2 6.1 117 99 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 119233 2579 ≤ 32 F 225997 5109 43.7 5.003 Dry Bulb 117 100329 3135 31.7 3.279 50.0 Wet Bulb 95

C FORM 0-26-5 (OLA) enviso menors, sortions or this roum are obsotre

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 20	29 - 30	+ 31	D.B./W.B.	Dry Bulb		Dew Po
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46/ 45		1	1			1.5	1 2	204	8 - 1	1						i		12	13		
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Element (X)		Z X 2		<u> </u>	ZX		X	₹ vz		No. Ol	8.							h Tempera			
Rel. Hum.		·						ļ				± 0 F		≤ 32 F	1 26	7 -	≥ 73 F	≥ 80 F	≥ 93 F		Total
Dry Bulb				-		-+		ļ							 	_		 			
Wet Bulb				<u> </u>				<u> </u>							 			 			
Dew Point															<u></u>			1			

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 80001 77-79 NOV PAGE 2 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 2.410.1 9.1 5.1 6.1 7.123.213.123.2 1.0 TOTAL Element (X) Mean No. of Hours with Temperature Rel. Hum. 27.118.673 48.2 5.620 34.8 3.236 ≥67 F | ≥73 F | ≥80 F | ≥93 F 166883 2683 99 10 F ≤ 32 F 28,598 5740 Dry Bulb 119 3448 171114 Wet Bulb 85.5 1130 11.8 Dew Point

PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

≥67 F = 73 F ≥ 80 F ≥ 93 F

STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79

STATION STATION NAME

PAGE 1 1200-1450 Hours (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 & 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 1.0 3.0 2.0 '2/ 61 6 / 59 2.0 5.01 57 2.0 1.0 6.0 55/ 55 74/ 53 5.0 6.0 2.0 1.0 :2/ 51 1.d 2.1 3.0 2.1 49 1.0 2.1 48/ 47 1.0 1.0 1.0 46/ 45 5.0 3.4 3.0 1.0 1.0 1.1 1.7 16 44/ 43 1.0 2.0 6.1 42/ 41 2.0 3.4 2.4 4 / 30 381 37 35/ 35 34/ 33 3 / 29 28/ 27 26/ 25 21 2 / 19 17 16/ 15 13 10 0/

USAFETAC FORM 0.26-5 (OLA) REVI

-6/ -7

Element (X)

Rel. Hum.

Dry Bulb Wet Bulb

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PSYCHROMETRIC SUMMARY

NOV
STATION MAUI OPTICAL SITE HI NORTH TOWER 77-79
STATION NAME YEARS NONTH
PAGE 2 1200-1400

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Temp. (F)		T	Τ			WET	BULB T	EMPER	ATURE	DEPRE	SSION (F)		1	1			TOTAL D.B./W.B.	00.11	TOTAL	la
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TOTAL			3.0	10.0	8.0	13.	4.0	5 • U	12.0	18.1	21.0	3 • ₽			1		1		121		10
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Element (X) Rel. Hum.		Σχ'	24164		Z X	110	70.1	**************************************	-	Ne. Ol	00			- 30 =				h Tempere		- 1	Total
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Dry Bulb Wet Bulb			6631	ļ		85	36.9	7 0	36		00		+	£ ,.		+		 			9
Dew Point			818				16.5				.00	- 11	•5	5.4 85.5	<u> </u>	-			+		9

MAUI OPTICAL SITE HI NORTH TOWER 77-79
STATION PAME

PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 52/ 61 4 / 59 58/ 57 3.9 1.0 55/ 55 54/ 53 1.9 7.8 1.9 52/ 51 7.8 5 / 49 3.9 1.0 UF/ 47 5.8 1.0 46/ 45 2.9 1.0 1.9 1.9 44/ 43 1.0 421 3.9 2.9 2.9 41 39 2.9 1.0 1.0 37 36/ 35 34/ 33 327 31 29 781 27 €/ 25 23 721 21 19 13/ 17 13

FETAC COM 0.26-5 (OLA) ervise revous tennons or resis roun are ous

Rel. Hum.

Dry Bulb Wet Bulb

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 77-79 PAGE 2 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 - 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) -t/ -7 -5/ -9 C -12/-13 2.9 9.713.410.7 3.9 4.918.421.410.7 2.9 1.0 TOTAL 103 103 103 C **(**. 9 No. Obs. Mean No. of Hours with Temperature Element (X) 30.418.429 Rel. Hum. 137063 3135 103 5 0 F ± 32 F 267 F 273 F 280 F 293 F 5823 47.7 6.217 2826 9 Dry Bulb 122 90 12970 3631 35.3 3.130 103 17. Wet Bulb Dew Point

C 4 € USAFETAC

Dew Point

PSYCHROMETRIC SUMMARY

STATION STATION NAME TOWER 77-79

PAGE 1 1800-2000 Hours (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) Temp TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib Wet Buib Dew Point (F) 50/ 55 2.9 °4/ 53 ⁴2/ 51 5.7 1.9 5 / 49 8.6 43/ 47 3.8 5.7 3.8 40/ 45 1.0 1. 1.910.5 44/ 43 2.9 2.9 4.8 1.0 42/ 41 1.9 39 1.0 2.9 1.0 3.8 1.9 38/ 37 36/ 35 1.9 1.1 1.1 1. 34/ 33 721 3) 1 / 29 28/ 27 367 25 24/ 23 ~ / 15 18/ 17 16/ 15 i 11 13 1.7 11 1 --,/ -7 Element (X) ZX, ZX Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wer Bulb

PSYCHROMETRIC SUMMARY

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																	PA	SE 2	1800)-200 L. s. T.)
Temp.						WET	BULB '	TEMPER	RATURE	DEPRE	SSION (')					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 2	5 - 26	27 - 28 29	· 30 ·	31 D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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74/-25			<u> </u>				L	<u> </u>	ļ.,							_		ļ		
OTAL			5.7	8.5	7.6	7.6	6.7	116.2	23.8	19.0	4.8			- 1				123		10
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Element (X)		ZX'			ZX	\top	X	7 8		No. Ol	5.				Mean Ne.	of Hours	with Temper	ture		
Rel. Hum.		11	13676		29	10		119.1			05	± 9 F	5	32 F	≥ 67 F	≥ 73	F > 80 F	≥ 93	F	Total
Dry Bulb			14179			45	44.3	5.0	372	1	23		1			1				
Wet Bulb			79453		33	175	32.1	3.		1	05		1	19.7						
Dew Point		-	24418		- 7	763	0.	112.2			G5	19.		38.3						

ORM 0-26-5 (OL A) REVISED MEYIOUS EDITIONS OF TH

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PSYCHROMETRIC SUMMARY

COCCI MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 77-79 PAGE 1

Temp.		.,	·			WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)			,		_	TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Pei
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54/ 53											1.0							1	1		
1.2/ 51										8.6				1				10	10		
5 / 49					1.5			1.0		7.6				<u> </u>				10	11		<u> </u>
48/ 47		ļ							5.		•						ļ	15	18	ļ	
46/ 45				1.9	1.0	1.9	1.0	1.9	10.								L	19	21		
14/ 43					1.	3.8	1.0	3.8	2.9	1							1	13	13		
42/ 4.		L	2.9	1.9	1.9	3.8	1.	3.8 3.8	1.9	<u> </u>								15	15		
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ew Point				 -									-+		├──			├	_{		

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 60001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point TOTAL 7.6 6.7 5.7 8.6 8.619.021.020.0 2.9 123 105 €. 0-26-5 (OL A) No. Obs. Mean No. of Hours with Temperature Element (X) 1212.2 27.719.801 105 ± 32 F ≥ 93 F 2412 6 5414 44.0 4.877 123 Dry Bulb 177738 31.8 3.452 Wet Bulb 3344 105 52.3 9.) 25222 Dew Point 87.4 90

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 77-79 NOV VEADE PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point Temp. 6 / 59 58/ 57 56/ 55 ~4/ 53 2.4 4 d -2/ 51 5 1 45 2.4 46/ 47 97 108 46/ 45 132 151 44/ 43 109 421 41 2.6 2.4 1.7 97 108 40/ 39 91 38/ 37 32 58 34/ 33 32/ 31 27 26/ 25 32 21 -21 16/ 17 17 22 35 ₹ 64 51 õ 54 72 31 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F Dry Bulb Wet Bulb

PSYCHROMETRIC SUMMARY

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																		PAG	E 3	A HOURS (L	L L ., S, T.)
Temp.										E DEPRI								TOTAL		TOTAL	
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lement (X)		Σχ²			ž X		X	₹ Z		No. Ol	8.				Mean	No. of	fours wit	h Temperati	ure.		-
Rel. Hum.			8217		229			19.8			08	≤ 0	F :	32 F	≥ 67	F	≥ 73 F	> 80 F	≥ 93 F	· T	etal
Dry Bulb			2674		434			5.8			55			1.5				1	1		720
Vet Bulb			2434		268			3.7			3 08	*********		06.5	X			1	1		721
Dew Point		22	8334		84	54	1.45	13.1	66	P	58	150	.4 6					1	 		721

PSYCHROMETRIC SUMMARY

STATION STATION NAME TOWER 77-79

STATION STATION NAME YEARS

DEC MONTH

PAGE 1 0000-0200

Temp.						WET	BULB T	EMPER	ATURE	DEPRE	SSION	(F)							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 . 2	2 23 - 3	24 25 -	16 27 -	28 29	. 30	≥ 31	D.8./W.8.	Dry Bulb W	et Bulb	Dew Pel
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44/ 43				3.7	2.4	3.0	5.9	3.0	3.0						_				35			
42/ 4!		• 6		1.8	• 6	1.2	3.5	3.6	1.2										21	29	3	
4 / 39		1.2		1.2	1.8	. 6		2.4	3.			L							20	27	4	
38/ 37			• 6			2.4	1.2												17	17	6	
36/ 35		• 6				1.2	• 6	1.8				<u> </u>							88	8	15	
34/ 33	• 6	1.2	•6	•6	• 6		• 6												7	7	28	
22/ 31	• 6	1.8	• 6	.6			• 6												9	9	3.3	Ĺ
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USAFETAC FORM 0.26-5 (OLA) REVISED MEVICUS EDITIONS OF THIS FORM AN

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/NAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 00001 77-79 DEC 7000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point /-11 -12/-13 -14/-15 19/-15 : //-21 21-23 -76/-27 -1.5/-50 - 7 /-31 - 12/-33 1.2 5.9 3.6 9.4 9.410.114.618.316.d 8.3 1.8 1.2 TOTAL 169 169

No. Obs.

169

253

169

169

10 F

1 32 F

5.5

62.2

88.6

≥ 93 F

5503

10989

5142

32.624.744

43.4 6.749

4.521

282747

486529

157884

57448

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER 77-79 STATION PAGE 1 WET BULB TEMPERATURE DEFRESSION (F) TOTAL TOTAL 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Peint (F) 50/ 55 94/ 53 5.21 51 1.2 1.4 5. / 49 2. 43/ 47 3.0 45/ 45 24/ 43 42/ 4 6.0 101 39 1.2 3.1 1.8 4.2 38/ 37 36/ 35 .6 1.3 34/ 33 1/ 31 1.2 32 20/ 27 13 26/ 25 24/ 23 72/ 21 19 16/ 15 1./ 11 .1 -3/ -9 Element (X) ZX Mean No. of Hours with Temperature Dry Bulb Wet Bulb Dew Point

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NAUI OPTICAL SITE HI NORTH TOWER 77-79

PSYCHROMETRIC SUMMARY

0300-0500 Hours (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Peint (F) -1//-13 -14/-15 --c/-17 -18/-19 7-21 - 2/-23 3.6 3.6 2.410.219.9 8.4 8.419.312.7 7.8 3.0 247 166 166 No. Obs. Mean No. of Hayes with Temperature Element (X) 35.625.313 43.4 5.553 31. 4.744 5916 316560 1 32 F =67 F = 73 F = 80 F = 93 F Rel. Hum. 166 10F 473364 10726 Dry Bulb 247 16623 5194 56.0 166 93 Wet Bulb 93 Dew Point 86.3

PSYCHROMETRIC SUMMARY

FOO:		<u> </u>	PILL	AL 3	ATION N	HI N	UKIF	1 10%	<u>ILR</u>	77-	19			YI	EARS					MON	E C
																		PAGE	E 1 .	HOURS IL	<u>-0</u>
Temp.	·	·	- W			WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.B.	Dry Bulb	Het Bulb	Dev
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5 / 49						. 6			1.3									- 6	23		
48/ 47		• 6		• 6		1.3	• 6			3.1				İ	!			16	24		
45/ 45				• 6				1.3						<u> </u>	 		 	15	24		
44/ 43				1.3						1								29	44		
e2/ 41			• 5							<u> </u>							 	25	3.3		
4 / 30	٠, ،	• 6		1.9		2.5				1								19	21	- 9	
38/ 37 76/ 35	2.5		1.3		2.					 					 	 -		22	23	13	_
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Element (X)		ΣX'			Σχ		X	•,		No. Ol	4.				Meen i	lo. of H	ours wit	h Temperati	ALO.		_
Rel. Hum.												\$ 0 €		≤ 32 F	2 37	F	≥ 73 F	> 80 F	≥ 93 F		Tot
Dry Bulb																					
Wet Bulb																					
Dew Point								L			I		\bot		<u> </u>				<u> </u>		

(OLA)

PSYCHROMETRIC SUMMARY

00001 77-79 MAUI OPTICAL SITE HI NORTH TOWER YEARS 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 -14/-15 -16/-17 -18/-19 -7:/-21 -261-27 -32/-33 TOTAL 7.6 1.3 2.510.413.712.613.718.213.8 6.9 241 159 No. Obs. Element (X) Meen No. of Hours with Temperature 258554 5246 33.123.258 159 Rel. Hum. s 32 F 267 F 273 F 280 F 293 F 5 0 F 469274 10554 43.8 5.434 Dry Bulb 241 1. 157737 4949 159 31.1 4.531 56.7 Wet Bulb 159 29.8 87.7

PSYCHROMETRIC SUMMARY

COGOL MAUI OPTICAL SITE HI NORTH TOWER 77-79
STATION STATION NAME
PAGE 1 1900-1100 Hours (L. S. T.)

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	5 - 26	27 - 28 2	9 - 30	× 31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew P
14/ 63						-							• 6					1	1		
52/ 61		- 1											. 6		ŀ			l i	ı		
5 / 59											• 6		1.2					3	5		
58/ 57																			10	ľ	
56/ 55										1.2	• 6							3	18		
4/ 53				• 6		. 6			1.2						}			1 7	1 9		
2/ 51				• 6		. 6		• 6										10	22		
5 / 49					2.5		. 6				• 6							24	31		
118/ 47					3.7	• 6												24	32	-	
40/ 45	Ì	Ì	. 6	,	3.7			2.5	1.8				1	1	Ì			17	23		2
44/ 43				1.2			4.9	.6	3.7									22	27		2
42/ 41		-6		1.2		1.8	1.8											17	19	(3
u0/ 39	1.2				• 6		1.2	3.7	• 6	,								16	16	10	-
30/ 37	1.2	. 6			1.2		1.8											12	12	21	1
26/ 35																			2	2:	
34/ 33		1.2			. 6	,					i				1				3	18	. I
72/ 31	• 6		• 6															2	2	3 (3
3./ 29								_												14	<u> </u>
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lement (X)		Σ ^X ,			Σχ	\dashv	X	" A		No. OI	5.		<u> </u>					h Temperet			T -1-6
el. Hum.								<u> </u>	-			: 0 F	5	32 F	≥ 67 f	-	73 F	≥ 80 F	≥ 93 I		Total
ry Bulb								<u> </u>	_ _									 			
fet Butb																- -	- —	<u> </u>			
ew Point			- 1			1		i	- 1				- 1					1	1	į	

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 63001 MAUI OPTICAL SITE HI NORTH TOWER

STATION HAME 77-79 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./M.B. Dry Bulb Wet Bulb Dew Peint (F) -4/ -5 -6/ -7 -8/ -9 -1 /-11 -1:/-13 -14/-15 -16/-17 -13/-19 -2 /-21 -20/-27 - 9/-29 TOTAL 3.7 3.4 1.4 3.714.712.311.714.122.1 8.6 2.5 244 163 163 163

No. Obs.

163

244

163

Meen No. of Hours with Temperature

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Element (X)

Dry Bulb

Wet Bulb

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197699

5407

5473

11563

33.223.292

47.4 6.318

33.6 4.928

GLOPAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 77-79 PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 r4/ 63 1.9 4./ 59 58/ 57 2.5 56/ 55 53 41 3. 40 48/ 47 46/ 45 1.3 2.5 19 44/ 43 32/ 42 1.9 401 39 38/ 37 1.3 1.3 . 6 23 .6 341 33 29 21 28/ 27 "51 25 23 6 18/ 17 8 14/ 13 10 b/ Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ± 0 F ≤ 32 F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIP WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 77-79 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) -(1 +7 -8/ -9 - /-11 -12/-13 -11/-17 -13/-19 - '2/-23 -24/-25 TOTAL · 4 3 · 1 4 · 4 2 · 513 · 110 · 621 · 911 · 314 · 410 · 6 3 · 8 1 · 3 2 · 5 245 160 161 9 No. Obs. Element (X) Mean No. of Hours with Temperature 5367 250541 Rel. Hum. 33.921.059 160 ± 0 F ± 32 F 267 F 273 F 280 F 293 F 594295 11963 48.8 6.452 Dry Bulb 245 Wet Bulb 198134 3577 34.8 5.157 160 33.1 93 71079 82.5 Dew Point 160 14.5

MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

STATION				ST	ATION N	AME								YE	ARS					M	NTH
																		PAG	E 1	150	3-17
Temp.	**********					WET	BULS	TEMPER	ATURE	DEPRE	SSION (F)			······			TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb		Dew P
14/ 63													. 6					1	1		
63/ 61		1		l								,6	-				1	l i	1		
6 / 59										• 6			• 6					2	2		1
58/ 57							}				• 6				i		}	2	9		
56/ 55										• 6	1.8	1.2						6	19		
'4/ 53		1 .	i	_ أ		. 6		• 6	3.1	1.3	2.5							13	31		
32/ 51						. ٤		• 8										6	14		
5 / 49					1.3	3.1			2.5									18	1		
45/ 47				1	3.7	1.8	1.7	3.7	3.7	• 6								24	33		
40/ 45			į	į	4.9		3.1		1.2	• 6		i l						16			İ
14/ 43		• 6	• 6	1.2		1.2		. 6	• 6							' '		16			
42/ 41		1.2	1.2		• 6	,	4.3	3.7	1.2								i	20			3
4 / 34		1.2		1.2		• 6	2.5		1.2									16	17	2:	
31/ 37				• 6		1.2	1.2	2.5										9	g	2	
50/ 35		• 6	• 6	• 6		• 6		• 6										5	5	2 (
34/ 33		5			• 6		• 6											3	3	21	
721 31																				1	
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Element (X)		Σχi			X		X	°z		No. Ob					Meen N	e. of H	ours wit	h Temperat	lure		
Rel. Hum.								<u> </u>				≤ 0 F		32 F	× 67	7 4	73 F	≥ 80 F	→ 93 I	•	Tetal
Dry Bulb																					
Wet Bulb																					
Dew Print						L_															

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 77-79 MAUI OPTICAL SITE HI NORTH TOWER PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) -4/ -5 -6/ -7 -8/ -9 /-11 -1-7-13 -14/-15 -16/-17 -18/-19 -2 /-21 TOTAL .d 5.5 3.1 3.713.5 9.816.617.814.1 6.7 4.9 2.5 1.2 163 163 ₹ ĝ 0.26-5 Mean No. of Hours with Temperature No. Obs. Element (X) 5400 256198 33.121.844 163 ≤ 32 F 273 F 280 F 293 F 10F 1.9 564416 11696 47.4 6.559 247 93 Dry Bulb 187723 33.5 5.008 163 93 5461 37.7 Wet Bulb 17.7 87.3 Dew Point

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PSYCHROMETRIC SUMMARY

0001	М	AUI	0PT10	CAL :	SITE	HI t	VORTI	H T01	WER	77	-79									ſ	DEC
STATION	_		***************************************	5	TATION P	IAME					*			Y	EARS						NTH
																		PAG	SE 1		2-2000 L. s. t.)
Temp.						WET	SULS	TEMPE	RATUR	E DEPR	ESSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 10	6 17 - 1:	8 19 - 20	21 - 2	23 - 24	25 - 26	27 - 21	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Paint
		T .	T			1		1				1		1			1		1	7	

Temp.	WET GULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 31												TOTAL	TOTAL									
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 2	29 -	30	3 1	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Paint	
₹8/ 57						'						• 6	• 6	4					2	1	4		
56/ 55												• 5							1	1	<u> </u>		
94/ 53											1.9								3	17	1	!	
52/ 51			L						L	1.2									5	15	<u> </u>		
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48/ 47		·	·		• 6	1.2			•6		 	\longmapsto		ļ	ļ	_			7	2:		ļ	
46/ 45			i l		4.3		1.2	1 - 1	7.4			i I							27				
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Element (X)	ΣX,				z x		X	₹ 2		No. Obs.					Meen No. of Hours wit								
Rel. Hum.									_			± 0 F	<u>'</u>	≤ 32 F	≥ 6	7 =	2 73	F	> 80 F	≥ 93	<u> </u>	Total	
Dry Bulb											\longrightarrow				 								
Wet Bulb Dew Point						\bot		<u> </u>							1					_L			
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PSYCHROMETRIC SUMMARY

20001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 STATION NAME 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 > 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) /-11 -12/-13 -14/-15 -16/-17 - 7 /-21 -^2/-23 TOTAL 1.9 4.3 4.3 6.812.310.517.916.015.4 4.9 3.7 162 162 Element (X) Mean No. of Hours with Temperature 267088 162 ≥ 67 F = 73 F ≥ 80 F = 93 F Rel. Hum. ≤ 32 F 10 F 44.2 5.922 10917 Dry Bulb 491141 247 2.3 93 31.1 4.738 160103 5 35 162 93 Wet Bulb 56.8 Dew Point 53698 162 28.1 88.4

PSYCHROMETRIC SUMMARY

. DEC MAUI OPTICAL SITE HI NORTH TOWER 77-79
STATION STATION NAME PAGE 1 2100-2300 HOURS (L, S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb 56/ 57 56/ 55 54/ 53 2.4 1.2 52/ 51 2.4 5 / 49 1.2 48/ 47 3.6 46/ 45 1.8 1.8 44/ 43 42/ 4: 3.0 5.3 39 37 3.6 36/ 35 34/ 33 1.2 4.1 32/ 31 50 26/ 27 ₹€/ 25 16 .27 21 0 / 19 17 13 14/ 13 -6/ Element (X) Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

USAFETAC FORM 0.26-5 (OLA) REVISED METVOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

w0001 MAUI OPTICAL SITE HI NORTH TOWER 77-79 STATION STATION NAME 2100-2300 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -1./-11 -14/-13 -14/-15 -16/-17 -10/-19 -7 /-21 -3./-31 -34/-35 1.4 4.1 5.3 8.9 7.716.411.219.515.4 4.7 2.4 2.4 TOTAL 253 169 169 169

Element (X) No. Obs. Meen No. of Hours with Temperature 32.623.488 169 253 Rel. Hum. 272521 5513 ≤ 0 F 1 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F 13960 484426 43.3 6.184 Dry Bulb 59.4 158541 5118 3 .3 4 . 594 169 Wet Bulb 52170 169 88.6 Dew Point 93

... 0-26-5 (OLA) eevised one vic

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PSYCHROMETRIC SUMMARY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME 77-79 DEC PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Peint Temp. (F) 64/ 63 12/ 61 · / 59 58/ 57 561 55 21 73 347 53 52/ 51 46 141 46/ 47 45/ 45 161 44/ 43 200 590 42/ 41 199 16. 441/ 34 153 178 90 120 128 36/ 35 60 142 341 33 190 721 31 32 203 202 26/ 27 111 26/ 25 74/ 23 22/ 21 31 17 15 12/ 11 3/ 69 40 Element (X) Mean No. of Hours with Temperature Ret. Hum. Dry Fulb Wet Bulb Dew Point

FORM 0.26-5 (OLA) BEVISTA FILLING

A 485 USAFETAC

PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC MAUI OPTICAL SITE HI NORTH TOWER 77-79 DEC STATION WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.8./W.B. Dry Sulb | Wet Sulb | Dew Paint (F) -4/ **-**5 -6/ -7 -:/ -9 32 -1 /-11 -1.7-13 24 -14/-15 -16/-17 -19/-19 -4 1-51 -02/-23 -24/-25 -26/-27 -^87-29 -31/-31 -32/-33 -34/-35 TOTAL 3.9 3.4 6.413.011.414.416.915.5 7.3 3.3 1.1 1977 1311 1311 1311 No. Obs. Mean No. of Hours with Temperature Element (X) 1311 1977 2170756 43744 33.423.299 ≤ 32 F ≥ 93 F Rel. Hum. 10 F

Wet Bulb

Dew Point

GLOBAL CLIMATOLOGY BRANCH

41211 4

137465

482467

89368

41038

14423

45.2

6.415

1311

32. 5.025

21.8

744

404.4

198.6 695.8

USAFETAC

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MAUI OPTICAL SITE HI NORTH TOWER

PSYCHROMETRIC SUMMARY

STATION				3	ATION N	AME									ARS					MOI	
																		PAG	E 1	HOURS (L. 5. 1
Temp.						WET	BULS 1	TEMPER	ATURE	DEFRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5.6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 . 24	27 - 28	29 - 30	e 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew I
6/ 75								l	1							• (1	1		
74/ 73						1			1	1	1	} {	. (1	1 1	٠,	l	, ,	3		
74/ 71																۰۲	1	1	1		
7 / 69]]]]]	}				1 .0	1 1	•	Ì	2	3		
63/ 67								• (• (.:			4	4		
56/ 65								•		1	• [.0	. 1	1	1 "		1	,			
54/ 63			• 1		• [• (<u> </u>					. (1		 	43	43		
(3/ 61			•					1 .	1 1						1			76	76		
6 / 59							• 1				. 2	. 2			 		 	132			
53/ 57						1							•	1				264	294	•	
56/ 55			• 1					•	•		1.0	1.2		1	-			418			
54/ 53		• `	,		• 1	اء ا	• 6				1							521	622	1 4	
52/ 51			• 1			. 3			1.	1.6				 	1		 	694		46	_
50/ 49		• 0		(1.4	2.0				1				766			
48/ 47		- 3				3	1.	1.						 	1		 	949		38 35	
46/ 45	_		2					1.0		3	1			l	i 1			1034		71	
14/ 43		. 9			1.	1.7	1.7	1.9			 			 			 	1102			
42/ 41	• :	1.5				2.0			2.1	1	1	1		1				1093	1198	198 _405	
40/ 30											 			 	 		 	999		688	
33/ 37		1 - 1	. 5			1.0		1	1 •	1]				639		879	
36/ 35			. 6						1	 	 	}		 			 	352		1158	_
34/ 33		1 1	. 7			1 1	1	i .	3					ļ				193	263	1442	
3./ 31			1						1	 	 			 	 						
3 1/ 29	•					.2				-	1			1	(l	115	140	1494	3
28/ 27	•	•		• 0					 		 			 	 		 	35			
2€/ 25				1				1	(4		{						35	10	830 549	
2-/ 23		• (1	 		 -	 	 			 			 		- 14		
22/ 21	•	ď) • (1	1				1	İ]		ĺ	3	9	216 80	
1./ 19									-	 				 	 		 -				
18/ 17									1	1										28	3
16/ 15				<u> </u>		 	 	 	 	 	 	 		 	 		 	 			
14/ 13		i								}							}			•	4
1./ 11									 	 -	 			 	 		 	 			
1 / 6								1				}						}			3
lement (X)		Zx2			Σχ		X	4		No. O	1.	<u> </u>			Meen I	No. of H	ours wit	h Tempera	lure		
Rel. Hum.						$\neg \uparrow \neg$			$\neg \vdash$			≤ 0	F	≤ 32 F	≥ 67	F :	73 F	> 80 F	≥ 93 t	F	Tetal
Dry Bulb				l											1				1		
Wet Bulb									\neg						1	$\neg \vdash$					
Dew Point				 																	

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PSYCHROMETRIC SUMMARY

UCDDI MAUI OPTICAL SITE HI NORTH TOWER 77-80 ALL
STATION STATION NAME PAGE 2 ALL
HOURS (L. S. T.)

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	231	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pale
2/ 7																					38
6/ 5		1	1			İ											İ ,	1	.		34
4/ 3																					35
1/ 1		1	Ì		Ì]										. !		32
/ - i		1	1																		29
/ -3))	ì	1	}	ì) 1)			. 1		27
-4/ -5		1	1																		27
-6/ -7		ĺ	[Į.	Į		[į						[]			Į		. [23
-81 -9									-												24
- /-11		İ					i :		ĺ			l									21
-1. /-13																					22
-14/-15		1		1	}	1		1] []		Ì]				20
6/-17																					19
10/-19		i		1]		1	j	Ì						Ì				14
7-21		T																			12
-^2/-23		i						l									L		L		10
-247-25		T		Į	1	[
26/-27						L								L			<u> </u>				
22/-29]																			4
-3 /-31]			Ì]	L	<u> </u>									<u> </u>				- 3
727-33		i																			7
34/-35		<u> </u>	<u> </u>		L	i				<u> </u>							<u> </u>		L		
36/-37								I											(
38/-39							L			L		<u></u>					<u> </u>		L		
4 7-41							ļ ———					[(
42/-47																					
-64/-1.5						[
46/-47																					
48/-49												ļ									
-5 1/-51		<u> </u>		ļ												L	L				
-52/-53	_								-												
TOTAL	1.	1 60	3.4	4.	7.4	11.	12.1	13.6	15.5	11.8	7.7	3.0	9	1	• [• 1			10835		950
																		9501		9501	
Element (X)		zx'	·		ZX		X	7,		No. Oi	s.	L			Meen	No. of H	ours with	h Tempera	ture		
Rel. Hum.			38281		3045	35	32.1	25.4	37		01	≤ 0	F	≤ 32 F	≥ 67	F :	73 F	≥ 80 F	≥ 93 !	F	Total
Dry Bulb			757:2		490		45.2	6.1	793	108				168.8		• 3	3.4				876
Wet Bulb			51964		315			5.			01		4!	198.2							87
Dew Point		42	1.52		95	3.39	10.0	18.5	09	75	01	2642	. 478	87.5							876

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

60001	MAUI OPTICAL SITE HI NORTH TOWER	77-80
CTATION		UP ABE

STATION			STA	TION NAME						YEARS				
HRS (LS T.)		JAN.	FEB	MAR	APR.	MAY	JUN.	JUL	AUG.	SEP.	ОСТ	NOV.	DEC.	ANNUAL
	MEAN	40.0	38.D	40.5	40.6	47.2	47.9	47.3	51.1	44.2	40.8	43.3	43.4	43.2
0-02	S D	3.866	4.571	3.513	5.740	4.129	3.767	3.569	5.245	7.949	3.573	4.625	6.049	6.105
	TOTAL OBS	91	158	137	88	93	90	84	81	87	90	113	253	1365
1	MEAN	39.0	38.7	41.3	41.3	46.8	46.6	47.3	53.7	44.1	40.5	43.1	43.4	43.4
13-05	S D	3.703	4.593	3.615	4.522	3.414	3.121	3.308	4.924	7.748	2.147	4.139	5.553	5.864
] }	TOTAL OBS	92	156	136	90	93	89	84	81	87	90	117	247	1362
														
	MEAN	39.0	38.2	41.4	42.5	48.5	48.8	48.6	53.1	44.6	40.9	43.7	43.8	43.9
16-08	S D	4.252	4.474	3.686	5.350							5.003	5.434	6.269
)	TOTAL OBS	91	157	133	88	93	90	84	81	86	90	117	241	1351
						·								
	MEAN	41.8	41.1	45.1	45.0	52.7	53.2	52.8	56.1	48.5	44.0	48.2	47.4	47.5
9-11	S D	5.208			_		4.783					5.620	6.318	6.923
	TOTAL OBS	89	155	(86	92								1343
 														
1	MEAN	43.6	43.0	47.6	46.0	53.1	53.6	54.1	57.4	49.7	46.8	49.7	48.8	49.0
12-14	S D	6.082											1	6.926
	TOTAL OBS	88			84	93							- 1	1351
1														
	MEAN	42.1	42.1	46.2	44.9	52.3	52.4	52.7	56.1	48.8	45.3	47.7	47.4	47.1
15-17	S D.	5.929		1 -										6.793
	TOTAL OBS	91	156		81	92		87					1	1356
									<u>-</u> -					
	MEAN	40.0	38.7	42.2	42.3	48.8	49.4	49.0	51.6	44.6	41.0	44.3	44.2	44.2
18-20	S D	4.795	1					(•				6.219
	TOTAL OBS	89												1349
	MEAN	39.6	38.1	40.9	40.8	47.8	48.3	47.2	50.2	43.7	40.6	44.0	43.3	43.2
?1-23		4.647								1				6.171
	TOTAL OBS	90										,	1)	1358
							<u>*</u> ;	<u>-</u> -	-'-	<u>-</u> -				
	MEAN	40.6	39.7	43.1	42.9	49.6	50.0	49.9	53.7	46.0	42.5	45.5	45.2	45.2
ALL	\$ D	5,029							5.726			5.801	1 .	6.793
HOURS	TOTAL OBS	/21											1	10835
		161	1 44 3 0	1 1007	006	176	1 46	010	030	001	<u> </u>	733	17//	10033

USAF ETAC FORM 0-89-5 (OL A)

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

69001 MAUI OPTICAL SITE HI NORTH TOWER

78-80

STATION STATION NAME YEARS HRS (LST) JAN. FEB MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC ANNUAL 29.8 32.2 37.5 MEAN 28.2 30.9 31.3 31.6 30.4 32.9 31.1 31.7 31.8 31.4 5.015 0-02 S D. 3.782 6.200 4.231 5.447 3.076 2.537 3.276 5.146 7.684 2.691 3.487 4.521 125 88 93 90 TOTAL OBS 82 137 84 81 87 69 98 169 1203 31.3 27.9 31.4 30.2 32.5 32.2 31.3 31.5 38.5 34.3 31.1 31.4 31.8 13-05 5.660 2.871 S D 4.192 4.252 5.474 2.708 3.016 4.783 8.065 1.761 3.146 4.744 5.083 83 122 136 90 93 89 81 87 1197 TOTAL OBS 84 99 166 67 31.5 2.177 27.9 30.3 MEAN 31.0 32.4 32.7 32.4 32.2 38.2 33.8 31.7 31.1 31.9 ~6-08 S D 4.409 5.360 4.452 2.676 2.860 3.017 4.801 5.108 8.145 3.279 4.531 5.013 TOTAL OBS 82 124 132 88 93 90 84 81 86 99 159 67 1185 34.2 31.2 33.5 34.6 36.1 35.3 35.5 41.1 36.5 34 . C 34.8 33.6 34.9 MEAN 4.904 7.409 4.928 4.926 9-11 S D 3.946 5.292 4.106 2.885 2.748 3.669 4.954 2.486 3.236 TOTAL OBS 83 118 129 86 92 90 82 81 86 68 99 1177 37.1 36.2 36.1 35.8 34.¢ MEAN 32.4 35.5 37.9 43.0 37.2 36.3 36.9 36.5 12-14 S D 4.018 5.531 3.993 4.702 3.860 3.689 4.741 4.121 7.271 2.529 3.006 5.081 5.157 93 90 82 121 126 84 87 TOTAL OBS 84 84 68 100 160 1179 MEAN 3C.5 35.5 35.2 35.1 36.5 35.6 35.4 36.6 34.4 35.3 42.0 33.5 35.3 4.048 5.008 15-17 S D 3.718 5.555 4.414 3.539 2.824 3.130 4.607 3.689 4.250 6.877 5.073 TOTAL OBS 85 120 81 92 89 87 131 84 85 68 103 163 1188 28.3 32.6 32.9 MEAN 31.4 33.4 32.8 32.6 38.3 33.5 31.5 32.1 31.1 32.4 6.027 18-20 S D 2.953 4.622 4.473 3.068 4.738 3.468 4.478 6.997 2.250 3.055 3.196 4.838 TOTAL OBS 83 119 81 93 67 85 70 162 135 79 83 105 MEAN 27.8 30.1 31.9 32.2 32.0 37.6 31.9 31.4 31.7 31.7 31.8 30.3 31.5 6.930 3.376 4.594 21-23 SD 3.552 5.848 3.507 3.262 5.412 4.326 4.943 2.254 3.452 4.90d TOTAL OBS 84 93 120 133 84 87 83 70 83 105 169 1190 33.2 3.767 MEAN 29.3 33.2 32.9 32.0 33.2 34.1 33.4 33.5 39.6 34.6 32.6 32.0 AII S D 3.075 4.180 6.006 4.891 5.135 3.952 3.505 4.062 5.181 7.623 5.025 5.332 HOURS TOTAL CAS 1059 664 682 742 712 676 547 9501 808

USAF ETAC FORM 0-89-5 (OL A)

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

00001

MAUI OPTICAL SITE HI NORTH TOWER

78-80

STATION			ST	ATION NAME				***************************************		YEARS			-	
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT	NOV	DEC	ANNUAL
0-02	MEAN S D	7 21.375		5.0 21:138							14.7		8.0 16.660	6 • 6 19 • 398
	TOTAL OBS	82	1		88	93	1	1	1	1 1	69			1203
	MEAN	2.7												8.0
∩3-05	S D TOTAL OBS	18.690 83		19.507 136	23.139 90						3.231 67		16.252 166	19.094
	MEAN	3.1	,									6.6	9.6	7.2
6-18	S D TOTAL OBS			20.494							4.397 67	,	16.014 159	19.015
	MEAN	11.8							20.3			11.9	12.7	12.5
9-11	S D TOTAL OBS	15.604 83		16.947								I	15.956 163	17.344
	MEAN	13.2	21.1	17.8	18.3	14.1	3.4	6.8	25.9	18.8	19.5	16.5	15.2	15.9
12-14	S D TOTAL OBS			15.539 126			19.651	18.491	11.426	15.152	5.009 68	10.488	14.602	16.488
	MEAN	8.8	19.5	17.1	18.5	10.1	2.8	3.2	24.9	18.6	17.8	14.7	13.2	14.2
15-17	S D TOTAL OBS	13.107 85		16.194	17.517			16.034	11.536	13.728	6.221	10.872	14.363	16.739
	MEAN	3.8			14.4	3.4	-4.9	-1.3	19.3	14.6				9.0
18-20	S D TOTAL OBS	14.754 83		20.240			19.978	14.774		15.899	5.227		15.212 162	18.116
	MEAN	• 7	13.1	4.5	12.5	.6	-7.8	-1.8	18.2	10.2	15.3	8.6	8.5	6.9
21-23	S D. TOTAL OBS	18.203 84	, -	21.570					15.938 79			,	15.431 169	19.103
ALL	MEAN	5.4								16.0		10.5		10.0
HOURS	S D TOTAL OBS								15.210	15.564	5.741 547	13.166	15.722	18.509

USAF ETAC FORM 0-89-5 (OL A)

RELATIVE HUMIDITY

MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

JAN

STATION

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONIA	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
NAL	.0-02	69.5	42.7	31.7	25.6	17.1	13.4	9.8	7.3	6.1	27.8	82
	3-05	75.9	51.8	38.6	26.5	21.7	16.9	13.3	7.2	4.8	30.6	83
	6-08	76.8	57.3	37.8	24.4	15.9	13.4	12.2	8.5	4.9	30.4	82
	. 9-11	85.5	61.4	49.4	36.1	27.7	24.1	18.1	14.5	8.4	36.5	83
	12-14	20.2	64.6	51.2	32.9	22.0	17.1	14.6	9.8	4,9	36.3	82
	15-17	87.1	55.3	38.8	28.2	18.8	15.3	9.4	7.1	3.5	32.1	85
	18-2	79.5	43.4	27.7	26.5	20.5	15.7	12.0	8.4	7.2	29.9	83
	21-23	71.4	44.0	27.4	22.6	21.4	17.9	10.7	8.3	6.0	28.2	84
			 -					 			 	
70	TALS	79.5	52.6	37.8	27.9	20.6	16.7	12.5	6.9	5.7	31.7	664

USAF ETAC

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GLOBAL CLIMATOLOGY BRANCH USAFSTAG ATP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

OUO MAUI OPTICAL SITE HI NORTH TOWER 79-80 FEB

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	OBS.
FEB	0-132	76.0	64.8	59.2	56.0	47.2	40.0	35.2	32.8	25.6	49.1	125
	. 3-05	73.0	60.7	59.7	55.7	52.5	44.3	40.2	32.0	25.4	49.4	122
	6-08	74.2	63.7	59.7	55.6	49.2	44.4	40.3	35.5	18.5	49.9	124
	0+11	80.5	64.4	64.4	57.6	52.5	48.3	45.8	36.4	18.6	53.3	118
	12-14	90.1	71.1	66.9	58.7	46.3	42.1	3, .8	32.2	17.4	52.0	121
	35-17	80.5	71.7	65.7	55.8	49.2	49.2	43.3	35.8	19.2	52.9	150
	18-20	82.4	72.3	62.2	57.1	52.9	51.3	45.4	37.0	22.7	53.8	119
······································	. 1-23	75.0	67.5	62.5	59.2	52.5	45.8	40.0	33.3	18 0 3	50.9	120
		<u> </u>										
10	TALS	79.0	67.0	62.4	57.0	50.3	45.7	41.1	34.4	20.7	51.4	969

RELATIVE HUMIDITY

0001

MAUI OPTICAL SITE HI NORTH TOWER

79-80

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	1		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO, OF OBS.
MAA	.0-02	80.3	54.7	37.2	24.1	22.6	18.2	14.6	13.9	9.5	32.8	137
	3-75	83.8	54.4	31.6	24.3	19.1	16.2	14.0	14.0	11.8	31.9	136
	. 6-08	81.1	51.5	31.1	23.5	18.9	15.2	15.2	14.4	7.6	31.1	132
	19-11	88.4	59.7	36.4	22.5	20.9	20.9	20.2	17.8	5.4	34.9	129
	12-14	89.7	69.0	52.4	34.1	24.6	18.3	15.9	13.5	4.8	37.9	126
	15-17	90.8	64.1	55.0	35.1	27.5	20.6	18.3	13.0	7.6	38.9	131
	18-21	82.0	55.6	40.7	29.6	24.4	20.7	18.5	17.8	8.9	34.9	135
 -	_1-23	76.7	53.4	36.8	26.3	21.1	18.8	18.0	14.3	11.3	32.9	133
										 	-	
10	TALS	83.9	57.8	40.2	27.4	22.4	18.6	16.8	14.8	8.4	34.4	1059

RELATIVE HUMIDITY

0001

MAUI OPTICAL SITE HI NORTH TOWER

79

APR

STATION

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STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
APR	.0-02	78.4	54.5	54.5	48.9	40.9	33.0	29.5	17.0	11.4	42.3	8.8
···	03-05	74.4	63.3	52.2	47.8	37.8	35.6	33.3	31.1	27.8	46.4	90
	. 6-08	75.0	65.9	54.5	40.9	34.1	26.1	22.7	18.2	12.5	40.5	8.8
	10-11	81.4	76.7	55.8	37.2	31.4	27.9	24.4	16.3	8.1	41.3	86
	12-14	92.9	72.6	54.5	38.1	31.0	22.6	20.2	19.0	11.9	41.9	84
	15-17	88.9	71.6	66.7	46.9	34.6	27.2	27.2	22.2	9.9	45.0	81
	18-20	80.2	66.7	55.6	46.9	38.3	32.1	32.1	25.9	11.1	44.3	81
	21-23	77.4	60.7	59.5	47.6	40.5	36.9	33.3	27.4	11.9	45.3	84
τo	TALS	81.1	66.5	56.7	44.3	36.1	33.2	2".8	22.1	13,1	43.4	687

RELATIVE HUMIDITY

0001	MAUI OPTICAL SITE HI NORTH TOWER	79	MAY
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO. OF OBS.
MAY	0-02	72.7	34.4	17.2	4.3	2.2	2.2	1.1	1.1		18.9	03
	3-05	73.1	41.9	20.4	5.4	2.2	2.2				20.2	93
	30-08	65.6	28 ₀ ∪	12.9	4.3	3.2	2.2				17.2	93
	.9-11	79.3	38.0	16.3	5.4						19.3	92
	12-14	82.8	58.1	38.7	15.1	6.5	1.1	1.1			25.7	93
	15-17	79.3	45.7	29.3	12.0	3.3	2.2				22.4	92
	.8-26	67.7	32.3	19.4	10.8	7.5	4.3	2.2	1.1	1.1	20.2	93
	21-23	67.7	26.9	18.3	5.4	3.2	1.1	1.1		ļ	17.6	93
TO	TALS	73.4	38.2	21.6	7.8	3.5	1.9	.7	•3	.1	20.2	742

USAF ETAC FORM 0-87-5 (OL 1)

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RELATIVE HUMIDITY

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HAUI OPTICAL SITE HI NORTH TOWER

79

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
JUN	.0-02	28.9	23.3	18.9	13.3	8.9	2.2				14.3	90
	., 3-05	36.0	29.2	18.0	14.6	11.2	9.0	4.%	1.1		17.5	89
	06-08	37.8	27,8	15.6	10.0	6.7	5.6	3.3			15.6	90
	J9-11	45.6	26.7	20.0	12.2	3.3	2.2				16.3	90
	12-14	53.3	40.0	28.9	10.0	1.1					18.5	90
	15-17	51.7	40.4	22.5	9.0	3,4					18.6	89
	18-20	40.2	27.6	17.2	14.9	3.4	3.4	3.4	1.1		16.2	87
	.1-23	31.0	26.4	20.7	12.6	8.0	3.4	2.3	1.1		15.6	87
					 							
10	TALS	40.6	30.2	20.2	12.1	5.8	3.2	1.7	•4		16.6	712

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RELATIVE HUMIDITY

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MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

79

JUL

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF OBS.
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	
JUL	10-05	44.0	26.2	20.2	11.9	7.1	1.2				17.2	84
	.3-05	41.7	21.4	16.7	10.7	6.0	2.4				16.3	84
	.6-08	41.7	20.2	14.3	10.7	6.0	2.4	1.2			15.8	84
	09-11	52.4	30.5	18.3	12.2	2.4					17,5	82
	12-14	49.4	33.3	28.7	21.8	4.6	3.4	1.1			20.1	87
	15-17	46.8	32.2	17.2	11.5	1.1					16.9	87
	:8-20	43.5	25.9	14.1	8.2	5.9					15.6	85
	a1-23	45.8	28.9	16.9	13.3	3.6	1.2				17.1	83
								,				
70	TALS	45.6	27.3	18.3	12.5	4.6	1.3	.3			17.1	676

USAF ETAC 0-87-5 (OL 1)

RELATIVE HUMIDITY

1000	MAUL OPTICAL SITE HI NORTH TOWER	79	AUG
STATION	STATION NAME	PERIOD	HTHOM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL NO. OF OBS.
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	
AUG	,0 - 02	79.0	63.5	48.1	32.1	16.7	6+2	3.7			31.0	81
	J3 −0 5	76.5	60.5	35.8	22.2	13.6	4.9	4.9	1.2		27.5	81
	56 - 08	79.0	59.3	38.3	24.7	11.1	4.9				27.2	81
	J9-11	32.7	66.7	45.7	24.7	11.1	6.2	4.9	4.9	2.5	30.5	81
	12-14	92.9	81.0	51.2	27.4	13.1	6.0	3.6	2.4	1.2	33.6	84
	:5-17	94,0	81.0	\$6.0	26.2	13.1	4.8	1.2			33.2	84
	18-20	86.1	72.2	46.8	35.4	19.0	8.9	3.8			32.8	79
	21-23	84.5	67.1	50.6	38.0	24.1	8,9	5.1			34.0	79
10	TALS	64.4	68.9	46.6	28.8	15.1	6.4	3.4	1.1	.5	31.2	650

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RELATIVE HUMIDITY

0001	MAUI OPTICAL SITE HI NOPTH TOWER	79	SEP
STATION	STATION NAME	PERIOD	HTHOM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(L S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
SEP	10-02	25.4	65.5	37.9	28.7	19.5	13.8	3.4	2.3	<u> </u>	32.6	87
· · · · · · · · · · · · · · · · · · ·	.:3-05	95.4	81.6	59.8	36.8	28.7	20.7	11.5	5.7	3.4	40.2	87
	c6=08	96.5	81.4	50.0	32.6	22.1	9.3	7.0	2.3	1.2	35.7	86
	.9-11	97.7	70.9	46.5	34.9	17.4	7.0				33.3	86
	12-14	94.0	72.6	52.4	27.4	11.9	7.1	2.4			32.9	84
	15-17	96.5	77.6	44.7	32.9	12.9	4.7	1.2			33.0	8.5
	:8-20	94.0	72.3	44.6	28.9	16.7	10.8	8.4	4.8	1.2	34.2	83
	:1-23	91.6	68.7	34.9	18.1	12.0	6.0	1.2	1.2	1.2	29.1	83
10	TALS	95.1	73.8	46.4	30.0	17.7	9.9	4.4	2.0	.9	33.9	681

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RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	O C T
0001	MAUL OPTICAL SITE HI NORTH TOWER	70	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	SE FREQUENCY	OF RELATIVE	HUMIDITY G	EATER THAN			MEAN RELATIVE	TOTAL NO. OF OBS.
MONIN	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	
oct	-0-02	98.6	91.3	76.8	18.8	1.4					34.7	69
	.3-05	100.0	98.5	95.5	20.9						37.5	67
	6-08	100.0	97.0	92.5	19.4	3.0					36.6	67
	29-11	100.0	95.6	92.6	29.4	4.4					37.4	68
	12-14	100.0	94.1	67.6	16.2						33.4	68
	15-17	98.5	94.1	69.1	14.7						33.3	68
	18-21	100.0	91.4	80.0	15.7	1.4					34.3	70
	21-23	190.0	91.4	75.7	22.9	4.3	1.4	1.4	1.4	1.4	35.7	70
το	TALS	99.6	94.2	81.2	19.8	1.8	• 2	•2	• 2	•2	35.4	547

RELATIVE HUMIDITY

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MAUI OPTICAL SITE HI NORTH TOWER

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NOV

STATION

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STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
HTMOM	(L \$ T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
NOV.	10-02	\$2.9	39.8	33.7	26.5	21.4	11.2	5.1	3.1		28 • 9	98
	03-05	83.8	39.4	30.3	23.2	19.2	14.1	5.1	3.0		27.8	99
	6-08	82.8	38.4	31.3	24.2	16.2	12.1	6.1	3.0	1.0	27.1	99
	-0-11	92.9	36.4	31.3	23.2	18.2	9.1	1.0			27.1	99
	12-14	96.0	51.0	40.0	26.0	17.0	8.0	2.0			30.1	100
	15-17	96.1	52.4	41.7	28.2	19.4	7.8	1.9			30.4	103
	18-29	91.4	43.8	29.5	24.8	17.1	9.5	2.9			27.7	105
	21-23	87.6	42.9	31.4	23.8	17.1	11.4	3.6			27.7	10
10	TALS	90.4	43.0	33.7	25.U	18.2	19.4	3.5	1.1	•1	28.4	806

RELATIVE HUMIDITY

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MAUL OPTICAL SITE HI NORTH TOWER

STATION NAME

78-70

DEC

STATION

C

HTHOM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY GE	EATER THAN		<i></i>	MEAN	TOTAL NO. OF OBS.
HTMOM	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMICITY	
DEC	.0+02	82.8	56.2	42.6	29.3	23.1	15.5	9.5	7.1	4.7	32.6	169
	23-05	86.7	60.8	47.13	39.8	29.5	15.7	9.1	7.2	7.2	35.6	166
	5-08	84.3	59.7	45.3	33.3	23.9	11.9	6.3	5.8	3.8	33.)	159
	-,9-11	88.3	65.1	42.3	31.9	22.1	7.2	7.4	6.7	5.5	33.2	163
	12-14	89.4	68.1	47.5	32.5	18.1	10.0	6.9	4.4	3.1	33.5	160
	.5-17	92.6	63.8	41.1	32.5	20.9	9.2	8.0	5.5	2.5	33.1	163
	18-23	88.3	59.3	40.1	30.9	22.8	16.0	8.0	6.2	2.5	33.3	162
<u></u>	21-23	88.8	58.0	40.2	27.8	21.9	14.2	8.9	5.9	2.4	32.6	169
10	DTALS	87.7	60.8	43.3	32.2	22.8	12.7	8.0	6.0	4.8	33.4	1311

RELATIVE HUMIDITY

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MAUI OPTICAL SITE HI NORTH TOWER
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

44.35.1711	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY O	REATER THAN	1		MEAN	TOTAL NO. OF OBS.
HTMOM	(L.\$ T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	
JAN	ALL	79.5	52.6	27.8	27.9	20.6	16.7	12.5	8.9	5.7	31.7	554
រាស		79.0	67.0	62.4	57.)	50.3	45.7	41.1	34,4	20.7	51.4	969
MAR		83.9	57.8	40.2	27.4	22.4	18.6	16.8	14.8	8.4	34.4	1059
APS		31.1	66.5	56.7	44.3	36.1	30.2	27.8	22.1	13.1	43.4	682
MAY		73.4	38.2	21.6	7.8	3.5	1.9	.7	.3	.1	20.2	742
JUN		40.6	30.2	27.2	12.1	5.8	3.2	1.7	.4		16.6	712
JUL		45.6	27.3	10.3	12.5	4.6	1.3	.3			17.1	676
AUG		84.4	68.9	46.6	28.8	15.1	6.4	3,4	1.1	.5	31.2	650
SEP		95.1	73.8	46.4	30.0	17.7	9.9	4.4	2.0	.9	33.9	681
CCT		79.6	94.2	81.2	19.8	1.8	•2	•2	•2	•2	35.4	547
NOV	ļ ļ	90.4	43.6	33.7	25.0	18.2	10.4	3.5	1.1	•1	28.4	808
DEC	<u></u>	87.7	60.8	43.3	32.2	22.8	12.7	8.0	6.0	4.0	33.4	1311
101	TALS	78.4	56.7	42.4	27.1	18.2	13.1	10.0	7.6	4.5	31.4	9501

USAF ETAC 0-87-5 (OL 1) U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

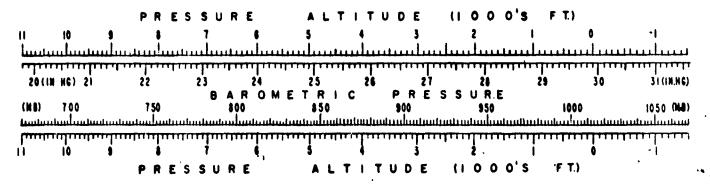
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

CODD1 MAUI OPTICAL SITE HI NORTH TOWER 77-80

STATION STATION NAME YEARS HRS (LST) NOV DEC FEB MAR APR. JUL SEP. MAY JUN AUG. OCT. ANNUAL 20.86820.87720.90120.87620.92720.93520.97820.98720.96920.95920.92720.914 20.924 n 5 D .061 .081 .069 .059 .037 .035 .059 .049 .048 .069 .073 .086 .075 61 80 75 49 60 TOTAL OBS 56 62 52 59 60 58 85 757 20.84520.85120.87020.84120.89320.90620.95020.95720.94020.93220.90420.890 20.896 U.Z .063 .081 .072 .060 .038 .033 .050 S D .061 .048 .072 . 372 .076 60 78 74 56 62 49 59 TOTAL OBS 52 61 60 58 753 MEAN 20.83920.84620.86420.84020.89020.90320.94520.95320.93820.93120.90120.886 20.892 .064 .078 .070 .049 .,6 .061 .038 .036 S D .061 .046 .069 .074 .091 .076 59 79 73 49 TOTAL OBS 56 62 51 61 59 60 58 751 20.87320.87620.90020.87320.92220.93020.96520.98120.96620.96220.93620.920 20.923 .062 .080 .069 .062 .038 .049 .070 .035 .070 .044 .069 .074 S D TOTAL OBS 61 78 73 53 61 49 51 59 59 61 58 82 745 MEAN 20.87320.88320.90320.87720.92720.93320.98020.98820.97020.95920.92620.916 20.926 12 .083 .068 .062 .063 .038 .045 5 D. .034 .062 .050 .069 .074 .089 .075 TOTAL OBS 59 79 75 52 61 48 53 62 58 60 750 61 82 23.83120.84120.86620.85120.90520.91820.96420.96620.93820.92620.89020.876 MEAN 20.894 .084 .060 5 D .060 . 369 .037 .032 .066 .052 .068 .072 .047 .078 75 TOTAL OBS 61 80 54 62 48 53 60 57 62 61 755 23.84320.84720.86520.84320.89820.90820.95420.95820.93623.93120.89920.883 MEAN 20.894 0081 .064 .037 .064 .050 18 S. Ø .062 .069 .069 .075 .032 .045 .068 .088 TOTAL OBS 74 54 61 61 53 61 61 757 20.87020.87620.89720.87320.92020.92920.97120.98020.96420.95720.92720.909 MEAN 20.920 .060 .078 .067 .061 .038 .036 .062 .050 . 045 .072 . 069 .088 .074 TOTAL OBS 61 80 74 54 61 48 52 61 58 60 61 756 20.85520.86220.88320.85920.91020.92020.96420.97120.95320.94520.91420.899 20.909 SĐ .063 .082 .071 .040 .036 .090 .053 .064 .051 .048 .071 .073 .077 HOURS TOTAL OBS 483 593 634 389 485 468 485 6024

USAF ETAC FORM 0-89-5 (OL A)

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

lucy to reans and tardard deviations do not include measurements from incomplete months.

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0002	MAUI OPTICAL SITE HI		78-80	-	JAN				
STATION	STATION NAME	•		YEARS	MONTH				
	ALL WEATHER								
		CL	A55		HOUNE (L S.T.)				
				1					
		COND	ITION						

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	2.3	2.3	2.3	•6	•6	• 6					9.7	1.1.5
NNE		2.9	3.4	4.0	1.7	1.1						13.1	12.2
NE		• 6	2.9	5.1	1.1	• 6						10.3	13.2
ENE	1.1	• 6		1.7	1.1							4.6	10.6
8		• 6	1.1	4.6	• 6							6.9	11.9
ESE		• 6	1.7	1.1								3.4	9.2
SE		• 6	1.7	1.1	• 6						İ	4.0	10.3
SSE		• 6		• 6	• 6	• 6						2.3	14.8
\$	•6			.6	1.7						l	2.9	14.8
\$5W	• 6	• 6	1.1	4.6	2.9	• 6						10.3	13.9
sw		1.1	• 6		1.7	1.1	• 6					5.1	17.2
WSW	• 6	1.1	• 6	1.1		• 6						4.1)	9.4
w	1.1	1.7	1.7	1.1	1.1							6.9	9.5
WNW	• 6	1.1		1.1	•6							3.4	9.5
NW	1.1	2.9	1.1	1.7	1.1							8.0	9.1
NNW		• 6	1.1	2.3	.6		• 6					5.1	13.6
VARBL													
CALM		> <	$\geq <$	$\geq \leq$	\geq	\geq	$\geq \leq$	\geq	$\geq \leq$	\geq			
	6.9	17.7	19.4	33.1	16.0	5.1	1.7					180.0	11.9

TOTAL NUMBER OF OBSERVATIONS 175

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

.0002	MAUI OPTICAL SITE HI SOUTH TOWER 78-80	JAN
STATION	STATION NAME YEARS	MONTH
	ALL WEATHER	0300-0500
	CLA98	HOURS (L S.T.)
	CONDITION	

SPEED (KNTS) DIR	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 • 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 6	4.1	1.7	1.2	•6	•6						8.7	9.17
NNE	• 5	1.7	1.7	2.9	1.7	1.7						10.5	13.2
NE	1.2	• 6	4.1	4.1	1.2	1.7						12.8	12.5
ENE			1.2	1.7	•6		,,	<u> </u>				3.5	12.8
E			• 6	4.1	1.2	• 6						6.4	14.9
ESE		1.7		1.2								2.9	8.2
SE		1.2	1.2									2.3	5.5
SSE		1.2	1.2		1.2	•6	• 6					4.7	15.17
5		2.3				•6						2.9	9.0
SSW		2.3		4.7	2.3							9.3	13.6
sw		2.9		2.9	2.9	1.2	• 6					10.5	15.3
WSW	• 5	1.2	• 6	•6	•6							3.5	10.0
w	1.7	• 6		1.7	1.2	• 6						5.8	11.6
WNW	1.2	•6			1.2							2.9	9.6
NW	l	• 6	1.2	•6	•6							2.9	11.4
NNW	.6	3.5	2.3	1.7	1.2	1.2						10.5	10.9
VARBL					l					1	1		
CALM		\times	> <	\geq	\geq	\geq	\geq	\geq	\geq	\geq	\geq		
	6.4	24.4	15.7	27.3	16.3	8.7	1.2					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL	SITE HI	SOUTH TOWE	R 78-80		JAN
	STATION NAME			YEARS	монтн
		ALL	WEATHER		0600-0800
			CLASS		HOURE (LST)
 -			CONDITION		•
-					
	MAUI OPTICAL	STATION NAME	ALL	STATION NAME ALL WEATHER GLASS CONDITION	STATION NAME ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		3.0	1.2	•6	1.2	1.2				T		7.3	12.5
NNE	• 6	• 6	4.2	2.4	1.8	• 6	1.2	1.2				12.7	15.5
NE		1.8	3.0	4.2	• 6	1.2						10.9	11.8
ENE				2.4	•6	1.2				,		4.2	10.9
E		• 6	• 6	1.2	1.2							3.6	13.2
ESE		1.2	2.4	3.6	• 6							7.9	10.4
SE			2.4									2.4	7.8
SSE					• 6	1.2		1.2				3.C	28.6
s			•6	•6	•6							1.8	14.3
SSW	1.2	1.2	1.2	4.8	1.2							9.7	11.5
sw		1.8	1.2	2.4	1.8	1.2	•6					9.1	14.3
WSW	1.2	• 6		1.8	•6	1.2						5.5	13.3
w	1.2	1.8		4.2		• 6		,				7.9	10.4
WNW		1.2	1.2	•6								3.0	7.4
NW	.6	1.8	• 6	•6	1.2							4.8	9.3
WNM	.6	• 6	2.4	1.2	• 6	• 6						6.1	11.0
VAPBL													
CALM		$\geq <$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	\geq	$\geq <$			
	5.5	16.4	21.2	30.9	12.7	9.1	1.8	2.4				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS 165

€.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

GLASS

GONDITION

GLASS

GONDITION

JAN

MONTH

0900-1100

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		2.4	2.9	1.2			• 6					7.1	9.9
NNE		1.2	2.9	1.2	•6	1.2	• 6					7.6	13.8
NE	• 6	1.2	1.8	5.3	1.8		2.4					12.9	15.2
ENE		1.2	3.5	•6		•6						5.9	10.3
ŧ	• 6	• 6		1.2	•6	• 6						3.5	12.7
ESE		1.8	1.2	2.9								5.9	9.6
SE	• 6	1.2		1.2								2.9	7.4
SSE	• 6					• 6	.6	.6		•6		2.9	27.6
\$	•6	1.2	• 6		1.8							4.1	10,9
SSW	• 6	1.2	• 6	2.4	1.2							5.9	10.9
SW		2.4	1.8	2.9	2.4	2.4						11.8	13.9
WSW	1.2	1.2	1.8	3.5	1.2							8 . 8	10.6
w		1.8		. 6		• 6						2.9	10.4
WNW	1.2		1.2		1.8							4.1	10.4
NW	1.8	1.2	•6	1.8								5.3	6.9
NNW	1.2	• 6	1.8	2.9	1.2	•6						8.2	11.5
VARBL													
CALM	\searrow	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	$>\!\!<$	$\geq \!$	$\geq \leq$	$\geq \leq$	$\geq <$		
	8.8	18.8	20.6	27.6	12.4	6.5	4.1	•6		.6		100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

170

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GOOD2	MAUI OPTICAL	SITE HI	SOUTH TOWER	78-80	YEARS	 JAN MONTH
				ATHER		1200-1400 HOURS (L.S.T.)
			CON	DITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	2.8	3.4	•6		.6						8.9	7.8
NNE	.6		2.2	3.4	•6	2.2						8.9	14.2
NE	•6	1.7	2.2	3.9	1.1							9.5	10.6
ENE		1.1	,6	3.9	• 6							6.1	12.6
E	.6	1.7	2.8	1.1	•6							6.7	8.8
ESE		• 6	2.2	3.9		<u> </u>						6.7	11.2
SE			.6									.6	8.0
SSE						•6	1.1			1		1.7	29.0
S	•6	1.1			1.1		•6					3.4	13.3
SSW	•6	. 6	.6	5.6		.6						7.8	12.1
SW	•6	1.1	1.7	3.4	3.4			.6				10.6	14.2
wsw	1.1	1.7	.6	3.9	1.1							8.4	10.7
w	.6	2.2	1.7	1.7	•6							6.7	8.4
WNW		•6	2.2	.6								3.4	9.2
NW	•6	2.8	1.1		•6							5.0	7.1
WHM		1.7	1.1	2.2	•6							5.6	9.3
VARBL													
CALM	$\supset <$	\times	\times	> <	$\supset <$	$\supset <$	> <	$\supset <$	\boxtimes		$\supset <$		
	7.3	19.6	22.9	34.1	10.1	3.9	1.7	•6				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 179

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-80	JAN
STATION	STATION NAM		YEARS	MONTH
		ALL WEA	THER	<u> 1500-1760 </u>
		CLA		HOURS (L.S.T.)
		COND	ITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 6	2.8	2.2	•6	• 6						6.6	11.8
NNE			3.3	4.4	2.2	1.7				-		11.6	14.9
NE	•6	1.7	1.7	3.3	1.7	•6						9.4	11.9
ENE		1.1	2.2	2.8								6.1	9.9
ŧ		•6	3.3	2.8	•6							7.2	10.8
ESE		1.1	2.2	.6								3.9	7.7
SE			• 6	<u> </u>								.6	10-0
SSE			.6	1.1			• 6	.6				2.8	20.4
8		1.1			.6			.6				2.2	15.5
55W	1.1	1.1	2.2	2.2	• 6	1.7					<u> </u>	8.8	11.9
SW	.6	1.1	.6	4.4	.6	1.7	• 6					9.4	14.4
WSW	•6		• 6	1.1	3.3	1.1						6.6	16.1
W	2.2	• 6	.6		1.7							5.0	8.2
WNW	1.7	2.2	2.2		1.1							7.2	7.7
WW		2.2	2.8	2.2	•6							7.7	9.8
NNW	1.7	.6	2.2		.6							5.0	7.0
VARBL		1	<u> </u>						1	T	<u> </u>	1	
CALM	\geq	\geq	\geq	\geq	\times	$\geq <$	\geq	\times	\geq	\geq	\geq		
	8.3	13.8	27.6	27.1	13.8	7.2	1.1	1.1				100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 181

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-83	JAN
STATION	STATION NAME		YEARS	MONTH
		ALL WEA	THER	1800-2000
		CLA	18	HOURS (L.S.T.)
		CONDI	ITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 5	• 5	1.6	2.2	• 5							5.5	10.8
NNE	•5	• 5	2.7	7.1	1.1							12.1	12.2
NE	1.1	• 5	2.2	8.8	3.8							16.5	13.1
ENE		1.1	2.2		•5							3.8	9.6
E	•5		3.8	2.7				1				7.1	9.4
ESE	• 5	• 5	3.3	. 5								4.9	8.3
SE	• 5		• 5						1			1.1	6.5
SSE				• 5			<u> </u>			1		.5	15.0
\$	• 5			1.1	• 5	1.1	1.1					4.4	20.3
55W	• 5		1.1	1.1	1.1	• 5	• 5		1			4.9	15.3
SW		• 5	1.6	5.5	1.1	1.6	1.1				<u> </u>	11.5	16.0
wsw		• 5		2.7					 			3.3	11.5
W	• 5	1.1	• 5	2.2		• 5						4.9	10.3
WNW	• 5	2.2	2.2	2.2	• 5							7.7	8.6
NW		2.2	1.1	1.6	• 5		• 5					6.0	11.6
NNW	• 5	• 5	2.2	2.2			1					5.5	10.0
VARBL							<u> </u>		<u> </u>				
CALM		><	$\supset <$	$\supset <$	> <	$>\!\!<$	$\triangleright <$		$\supset <$	$\supset <$			
	6.6	10.4	25.3	40.7	9.9	3.8	3.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 182

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUI OPTICAL SITE HI SC	OUTH TOWER	78-80	JAN
STATION	STATION NAME		YEARS	MONTH
		ALL WEA	THER	2100-2300
		CLAS	18	HOURS (L.S.T.)
		CONDIT	rion	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6		1.1	2.8								4.5	10.1
NNE	• 6	1.1	3.4	7.3	.6	. 6						13.4	11.5
NE		.6	5.0	4.5	1.1	.6						11.7	12.0
ENE		1.1	1.1	2.2	1.1							5.6	12.0
ŧ.			2.2	3.9	1.1							7.3	12.9
ESE		•6	2.2	1.7								4.5	9.5
SE		1.1		1.1								2.2	9.3
328		• 6			•6							1.1	11.0
\$				1.1	1.7	• 6	. 6					3.9	20.4
SSW		• 6	1.7	2.8	1.1	1.1						7.3	14.2
sw		1.1	2.2	2.8	1.1	2.2	1.1					10.6	16.5
WSW	• 6	• 6		2.2	• 6	• 6						4.5	12.4
w	•6	• 6	1.1	1.1		• 6						3.9	11.4
WNW	.6	2.2	1.7	1.1	1.1							6.7	9.9
NW	1.1	1.7		1.1								3.9	6.0
NNW	1.1	1.7	•6	3.4	1.7	. 6						8.9	11.8
JARAL													
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!\!<$	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$		
	5.0	13.4	22.3	39.1	11.7	6,7	1.7					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 179

USAFETAC FORM ARE OBSOLETE JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	IUAM	OPTICAL	SITE		TOWER	78-	80		EARS	····	 	JAN 10NTH
				 	ALL W	EATHER				_		LL
						CLASS					HOUR	RS (L.S.T.)
		_		 	cc	DNDITION						
				 				,			 	
i i		1				1 -	T			1		1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 6	1.9	2.1	1.6	• 4	. 4	• 1					7.3	10.
NNE	.4	1.0	3.0	4.1	1.3	1.1	• 2	•1				11.3	13.
NE	• 5	1.1	2.9	4.9	1.6	• 6	• 3					11.8	12.
ENE	• 1	• 8	1.4	1.9	•6	• 2						5.0	11.
ŧ	•2	• 5	1.9	2.7	.7	•1						6.1	11.
ESE	•1	1.0	1.9	1.9	•1							5.0	9.
SE	•1	• 5	• 9	• 4	• 1							2.0	8.
358	•1	• 3	• 2	• 3	.4	. 4	. 4	• 3		•1		2.4	20.
S	• 3	•7	•1	.4	1.0	• 3	• 3	• 1				3.2	15.
SSW	•6	.9	1.1	3.5	1.3	• 6	• 1				· · · · · · · · · · · · · · · · · · ·	8.0	12.
sw	•1	1.5	1,2	3.1	1.9	1.4	•6	• 1				9.8	15.
WSW	.7	• 9	• 5	2.1	.9	. 4						5.6	11.
w	1.0	1.3	•7	1.6	•6	. 4			1			5.5	9.
WNW	.7	1.3	1.4	.7	• 8							4.8	8.
NW	• 6	1.9	1.1	1.2	•6		• 1					5.5	9.
WMM	.7	1.2	1.7	2.0	\$.	.4	•1	T	1		1	6.8	10.
VARBL					1				<u> </u>	† 	<u> </u>		
CALM	\geq	\times	\times	\times	\times	\times	> <	$\geq \leq$	\geq	\times	\times		
	6.8	16.7	22.0	32.6	12.8	6,3	2.1	.6		•1		100.0	12.

TOTAL NUMBER OF OBSERVATIONS 1403

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HE SOUTH TONE	ER 78-80	FEB
STATION	STATION NAME	YEARS	MONTH
	ALI	WEATHER	0000-0200
		CLASS	HOURS (L.S T.)
	4		
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.4	• 9	3.0	• 9	.9	• 9						6.8	10.9
NNE	.4	• 9	1.7	1.7	. 4	.9						6.0	11.6
NE		1.3	1.7	6.4	1.3							10.7	12.2
ENE	. 4	2.1	2.6	1.3	. 4							6.8	8.9
ŧ		2.6	2.6	1.3	1.7							8.1	9.7
ESE	• 4	1.3	1.3	2.6	3.0			. 4				9.0	13.7
SE		1.7	1.7	1.3	•4							5.1	9.8
SSE		1.7	. 9	. 4	1.3	• 4	. 9					5.6	14.2
5	. 4		1.3	. 4	1.7							3 • 8	12.7
SSW				1.3	1.3	• 9						3.4	17.5
sw		*		. 9	• 9	•4		.4				3.0	18.7
WSW			1.3	1.3	1.3	1.3	. 4	. 4				6.0	18.4
w			. 4	. 4	1.3	2.1						4.3	20.2
WNW	. 4	• 9	2.1	1.3	• 9	*	• 9					6.8	13.3
NW	.4	2.6	1.3	. 9	. 4							5.6	7.6
NNW	• 9	3.8	3.0	. 9			. 4		l			9.0	7.8
VARBL										İ			
CALM	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	\times	$\geq \leq$	\geq	$\geq <$		
	3.8	20.1	24.8	23.1	17.1	7.3	2.6	1.3				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI O	PTICAL	SITE	HI	SOUTH	TOWER	78-80			FEB
STATION			STATION	NAME				YKARS		MONTH
						ALL W	EATHER			0300-0500_
						(LASS			HCURS (L.S.T.)
						CO	NOITION			

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N		1.7	1.7	. 4	• 9	. 4	• 4					5.7	11.9
NNE		• 9	1.3	. 4	• 9	. 4						3.9	12.8
NE	.4	• 9	4.8	3.0	1.3	• 9						11.3	11.7
ENE		• 9	3.0	1.3								5.2	8.7
E	.9	1.3	1.3	1.3	. 4							5.2	8.9
ESE	1.3	• 9	4.3	2.2	2.2							10.9	9.9
SE	.4	.9	.9	1.3	.4	. 4		.9				5.2	15.0
SSE		. 9	2.6	. 4	.4	. 9						5.2	11.8
\$.9	.9		.9	• 9	.9	.9					5.2	16.1
SSW		• 9			.4		.4					1.7	15.5
SW	.4		1.7	2.2		.4		. 4				5.2	13.3
WSW			• 9	.9	3.0							4.8	15.8
w	.9	. 9	1.3	1.7	2.2	2.2						9.1	15.1
WNW	.4	• 9	2.6	. 4		.9						5.2	10.5
NW	.9	2.6	3.℃	. 9	. 4	. 4						8.3	8.6
NNW		1.3	3.5	1.3	• 9	. 4	.4]				7.8	11.5
VARBL													
CALM	\boxtimes	\times	\times	\searrow	\geq	\times	> <	\geq	\boxtimes	\geq	$\triangleright <$		
<u> </u>	6.5	15.7	33.0	18.7	14.3	8.3	2,2	1.3				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 230

SURFACE WINDS

PERCENTAG: FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-80		FEB
STATION	STATION NAME			YEARS	МОМТН
		ALL WE	ATHER		<u> 6600-0800</u>
	V	CLA	185		HOURS (L.S.Y.)
		COND	ITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEEC
N	. 4		3.0	.9								4.3	9.3
NNE		1.7	1.7	2.6								6.1	9.3
NE		• 9	4.3	4.3	. 4							10.0	10.6
ENE	• 9	. 4	2.6	2.2	• 9							6.9	11.0
ŧ			2.2	1.3								3.5	10.5
ESE		1.7	1.3	2.2	• 9	• 9						6.9	12.4
SE		• 9	3.5	. 9	1.3	1.7						8.2	13.5
SSE	.4	. 4	1.3	.9	• 4	. 9				<u> </u>		4.3	12.7
\$. 4		. 9	1.3	. 4	. 4					3.5	18.0
SSW		1.3	• 9	. 4	. 4	. 4	• 9					4.3	14.8
\$W	.4	. 4	1.3	1.7	• 9	. 4		.9				6.1	15.6
WSW		• 9		2.2	1.3	. 4	.4					5.2	15.9
W			1.3	1.7	3.9	1.3	1.3					9.5	18.5
WNW		2.2	1.3	1.3								4.8	7.6
NW		2.6	. 9	3.0	• 4			. 4				7.4	11.0
NNW	.4	. 4	3.0	3.9		. 9		.4				9.1	12.5
VARBL													Ĺ
CALM	$\supset <$	$>\!\!<$	$\geq <$	> <	$\geq \! <$	> <	$>\!\!<$	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$		
	2.6	14.3	28.6	30.3	12.1	7.4	3.0	1.7	I			100.0	12.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS ED., ONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUI OPTICAL SITE HI SOUTH TOWER	78-80	FEB
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	0900-1100
	CL	LASS	HOURS (L.S.T.)
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
н		• 9	2.6	2.1	• 4							6.0	10.2
NNE	. 4	• 9	1.7	3.9								6.9	10.6
NE	• 9	1.7	4.3	3.4								10.3	8.9
ENE	.4		1.3	.9	1.7				[4.3	12.5
E		2.1	• 9	2.1	• 9							6.0	10.4
ESE	. 4	• 4	1.7	2.1	. 9	• 4						6.0	13.0
SE			2.6	2.6	• 9	. 9	. 4					7.3	13.9
SSE			2.6	1.7		• 9						5.2	12.8
\$			2.6	2.1	.4	• 9		. 4				6.4	14.2
55W	. 4	1.7	. 9	. 9		.4	1.3	. 4				6.0	16.1
SW	.4		. 4	1.7		.4	. 4	. 9	. 4			4.7	20.7
WSW	• 4	• 4	. 4	2.1	2.1	1.3	. 9					7.7	17.4
W	.4	• 9	• 9	1.3	1.7	1.3	. 4	• 9				7.7	17.6
WNW			1.3	1.7	.9							3.9	12.6
NW		3.0	1.3	3.0	.4		• 4					8.2	10.5
NNW		1.3	• 9	. 4	.9							3.4	10.1
VARBL									T		T		
CALM	\boxtimes	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	\boxtimes	\geq	\geq	\geq	$\geq \leq$		
	3.9	13.3	26.2	32.2	11.2	6.4	3.9	2.6	.4			100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 233

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

60002	MAUI OPTICAL SITE HI SOUTH TOWER	78-80	FEB
STATION	STATION NAME	YEARS	МОМТН
	ALL WE	ATHER	1200-1400
	CL	A85	HOURS (L.S.T.)
	CON	DITION	

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		. 8	2.9	.8	. 8		• 4			1		5.9	11.0
NNE		2.1	2.9	. 4		. 4						5.9	8.6
NE	.8	2.9	2.1	1.7	1.3							8 • 8	9.1
ENE	. 4	2.1	2.5	1.7	.4							7.1	8.8
ŧ		. 8	. 4	. 4								1.7	7.3
ESE		1.7	2.1	2.5								6.3	9.3
SE	.8	2.1	. 4	. 8	. 4							4.6	7.2
SSE		. 4	. 4	2.5	2.5	. 4	• 4	1				5.7	16.1
8	.4	. 8	. 8	2.5	.8		. 4					5.9	12.0
SSW	1.3	1.7		. 8	.4	.4	• 4					5.0	10.8
SW		1.3	2.5	.8	1.3		•4		.4			6.7	13.7
wsw		. 8	1.7	2.1	2.1	1.7	1.3	. 4				10.1	17.8
W		1.3	1.7	. 8	2.5	• 8	• 8					8.0	15.1
WNW	.4	2.5	2.1	1.3	.4	. 8						7.6	9.8
NW		.8	1.3	1.3								3.4	9.5
NNW	.4	1.3	1.7	.8	1.7	.4			1	<u> </u>		6.3	11.8
VARBL													
CALM	$\triangleright <$	> <	> <	$\supset <$	$\supset <$	\times	\times	$\supset <$	\boxtimes		$\supset <$		
	4.6	23.5	25.6	21,4	14.7	5.0	4.2	. 4	.4			100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 238

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HAUI OPTICAL SITE HI SOUTH TOWER 78-80

STATION NAME
ALL WEATHER
GLASS
FEB
MONTH
1500-1700
HOURS (L.S.T.)

CONDITION

MEAN WIND SPEED SPEED 11 - 16 28 - 33 41 - 47 (KNTS) DIR. 1 . 3 4 - 6 7 - 10 17 - 21 22 - 27 34 - 40 48 - 55 ≥ 56 5.9 11.3 N 2.5 2.1 • 4 • 4 NNE 2.5 1.3 . 8 7.1 11.1 3.3 2.1 7.9 9.7 NE . 8 •4 . 8 2.5 . 4 4.2 9.4 ENE 1.3 • 4 4.6 10.4 2.9 . 8 ESE . 4 . 8 6.7 10.7 SE •4 .8 1.3 2.1 • 4 5.0 11.2 358 13.2 4.6 . 8 4.2 15.6 . 8 \$. 8 .8 6.7 10.3 .4 2.1 1.7 1.3 • 4 SSW 1.3 1.3 1.7 . 4 5.0 15.9 sw 2.5 . 8 . 4 7.9 16.4 . 4 • 8 1.3 . 8 . 4 WSW 1.7 .8 2.1 7.9 13.9 • 4 1.7 1.3 w 7.5 13.4 7.5 11.8 2.1 WNW 1.3 2.1 . 4 . 8 . 8 4.2 NW 7.1 13.4 . 4 1.3 2.9 1.3 1.3 NNW VARBL CALM 29.3 10.5 28.9 . 8 100.0 12.2

TOTAL NUMBER OF OBSERVATIONS

The same of the sa

239

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-80	FEB
STATION	STATION NAME		YEARS	MONTH
		ALL WE	ATHER	1800-2000
		CL	155	HOURS (L.S.T.)
		COND	ITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.7	2.9	.8	1.7							7.1	10.8
NNE	. 4	1.7	3.7	2.9								8.7	9.2
NE		• 8	3.3	4.2	.4							8.7	11.0
ENE	• 4	• 4	1.2	3.3	• 4							5.8	11.5
ŧ		• 4	3.3	1.7								5.4	9.4
ESE		• 8	. 8	4.2		. 4						6.2	12.1
SE	1.2	1.2		1.7	• 8	. 4						5.4	10.1
SSE	• 4	• 8	1.2	1.2								3.7	9.1
S	• 8	• 4	1.7	1.7	1.7	1.2						7.5	13.8
SSW	. 4	• 8	. 4	2.5	. 4	1.7						6.2	14.1
SW		. 4	. 4	1.2	.8	. 4						3.3	14.4
wsw		. 4	1.2	. 4	1.2	1.7		.4				5.4	17.8
w		• 4	.8	.4	1.2	2.1	1.2					6.2	20.2
WNW		. 4	. 8	1.2	1.2	. 4			ĺ			4.2	13.2
NW	•8	1.7	2.1	2.1	. 8	.8			1			8.3	10.7
NNW		•8	2.1	3.3		. 4	.8					7.5	13.3
VARBL									1				
CALM	> <	$\ge \le$	$\geq <$	$\geq <$	\times	\times	\geq	> <	\geq	\boxtimes	\geq		
	4.6	13.3	26.2	32.9	10.8	9.6	2.1	. 4				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 240

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUI OPTICAL SITE HI SOUTH TOWER	78-80	FEB
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	2100-2390
		CLA98	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
И		1.3	3.4	2.1	.4		• 4					7.6	10.7
NNE		1.7	2.5	2.5	.4	1.3	.8					9.3	14.0
NE	. 4	• 8	3.0	4.7	. 8	• 4						10.2	11.6
ENE	. 4	1.3	4.2	2.1								8.1	8.7
ŧ		• 8	3.0	1.3	1.3							6.4	10.9
ESE		• 8	2.5	3.4	1.3	. 8						8.9	12.8
SE		1.3	1.3	1.7	. 4							4.7	9.9
SSE			1.3	. 8	1.7	.8						4.7	15.5
S	• 8			1.7	1.3	4						4.2	14.0
SSW	•8	1.3	. 4	1.7	2.1							6.4	11.9
sw	4	. 4	. 4	1.3	1.3		• 4	. 4				4.7	16.5
WSW	•		. 8		2.5	1.3	4					5.5	18.6
w		• 8	1.7	. 4	• 8	*						4.2	11.1
WNW		1.3	1.3	. 4	• 4			. 4				3.8	12.6
NW		1.3	1.3	2.1	• 8	. 8	. 8					7.2	14.8
NNW	• 4	• 4	1.3	. 8	1.3							4.2	12.3
VARBL													
CALM	\boxtimes	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	\times	\geq	$\geq \leq$	$\geq \leq$	$\geq <$		
	3.8	13.6	28.4	27.1	16.9	6.4	3.0	.8				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 236

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HI SOUTH TOWER	78-80	FEB
STATION	STATION NAME	YEARS	MONTH
	ALL_W	EATHER	ALL
		CLA95	HOURS (L.S.T.)
	co	DNDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.1	1.0	2.8	1.3	• 7	• 2	• 2					6.2	10.8
NNE	• 2	1.5	2.3	2.0	• 3	.4	• 1	•1				6.8	10.9
NE	. 4	1.3	3.3	3.7	• 8	• 2						9.7	10.
ENE	. 4	1.0	2.5	1.6	• 5							6.1	9.8
E	• 2	1.1	1.9	1.3	•6	•1						5.1	9.9
ESE	• 3	1.1	2.0	2.8	1.1	• 3		•1				7.6	11.
SE	. 4	1.1	1.4	1.5	•6	.4	• 1	• 1				5.7	11.0
SSE	•1	• 5	1.5	1.3	. 8	• 6	• 2					5.0	13.
\$. 4	. 4	• 9	1.4	1.1	• 5	• 3	•1				5.1	14.
SSW	• 4	1.2	• 5	1.1	•8	• 5	. 4	• 1				5.0	13.
SW	•2	• 4	1.0	1.4	• 8	• 3	•2	. 4	•1			4.8	15.
WSW	• 2	• 4	1.0	1.4	1.8	1.1	• 5	•2	• 1			6.6	17.
w	•2	.7	1.2	1.0	1.8	1.5	. 5	• 1				7.1	16.
WNW	•2	1.2	1.7	1.2	• 5	• 5	• 1	•1				5.5	11.0
NW	.4	1.9	1.5	2.2	• 5	• 3	•2	.1				7.0	10.
NNW	• 3	1.3	2.3	1.6	.7	• 3	•2	•1				6.8	11.
VARBL													
CALM	\times	\times	\times	> <	> <	\times	\geq	\geq	$\geq <$	\times	\times		
	4.3	16.2	27.8	26.8	13.5	7.2	2.9	1.2	•2			100.0	12.

TOTAL NUMBER OF OBSERVATIONS 1881

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL	L SITE HI	SOUTH TOWER	78-80		MAR
STATION		STATION NAME			YEARS	MONTH
			ALL W	EATHER		0000-0200
	_			CLASS		HOURS (L.S.T.)
			co	NDITION		
			_			

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z		• 5	1.8	2.3	• 9							5.5	12.0
NNE	• 5	1.8	4 • 1	3.7			• 5					10.6	10.0
NE		• 5	1.4	. 9								2.8	9.3
ENE	• 5	• 5	1.4	1.8								4.1	9.4
Ę	•5	• 9		•9								2.3	8.4
ESE		• 9	1.4			• 5						2.8	10.2
SE		• 5	2.3	1.4	1.4	• 9		-				6.5	14.0
SSE		2.3	1.4	1.4	1.4	1.8						8 • 3	13.8
\$	•5	1.4	1.8	3.7	1.4	2.3	• 9					12.0	15.2
SSW	• 5	• 5	. 9	2.3	• 5	2.3						6.9	15.0
SW	•5	1.4	. 9	.9		• 5	.9					5.1	12.6
WSW		1.4	1.4	.9		. 9						4.6	11.3
w	• 9	1.8	1.8				• 5					5.1	7.8
WNW	1.4	1.4	.5	2.3	• 9	• 5	• 9					7.8	12.6
NW	• 9	• 5	. 9	2.3	1.4							6.D	11.5
NNW	1.8	3.7	1.8	.9	.9	• 5						9.7	8.5
VARBL			<u> </u>						<u> </u>				
CALM		$\supset \subset$	$\supset \!$	\times	$\supset \!$	\boxtimes	$\supset \subset$	\boxtimes	\boxtimes	\boxtimes	$\supset <$		
	7.8	19.8	24.0	25.8	8.8	10.1	3.7					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS 217

USAFETAC $\frac{\text{form}}{\text{JUL-64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GDDD2	MAUI OPTICAL SITE HI SOUTH TOWER	78-80 YEARS	MAR MONTH
		VEATHER CLASS	0300-0500 HOURS (L.S.T.)
	cc	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		1.4	• 5	2.8	• 5							5.1	10.9
NNE	. 9	1.9	2.8	. 9	2.3							8.9	10.1
NE	. 9	2.3	3.3	2.3								8.9	7.8
ENE	.5	1.9	. 9	1.9								5.1	8.5
ŧ		1.4	• 5				<u> </u>					1.9	5.3
ESE	• 5	• 5	1.4	1.9								4.2	9.6
SE	1.4	.9	.5	2.3	• 5	• 5	• 5					6.5	11.9
SSE	٤5	. 9	.9	2.3	1.4	• 9	.9					7.9	15.2
\$	1.4	• 9	• 5	1.4	.9	1.9	• 5	• 5				7.9	16.5
SSW	.5	1.4	• 5	2.3	•5	1.9				1		7.0	14.4
SW	1.9	1.9	.9	2.3		• 5	•5					7.9	9.8
WSW	• 5	^9	1.4		.9	• 5						4.2	11.2
w	• 5	1.4	•5	.9	•9	1.4	• 5					6.1	15.4
WNW			1.9	.9		1.4						4.2	13.9
NW	.9	.9	2.3	1.4	1.4							7.0	10.1
NNW		1.9	1.9	1.9	1.4						<u> </u>	7.0	10.3
VARBL	l								 	T			
CALM	\times	\geq	\times	\geq	\boxtimes	\times	\geq	\times	\boxtimes	\times	\times		
	10.3	20.6	20.6	25.7	10.7	8.9	2.8	_ ,5		}		100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 214

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	IUAM	OPTICAL	. SITE	HI S	OUTH T	OWER	78-	80					M	AR
STATION			STATIO	N NAME					Y	EARS			м	ONTH
						ALL WE	ATHER						0600	-0800_
		-				Ç.	ASS						HOUR	8 (L.S.T.)
														
						CON	DITION							
														
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
	N			• 17	1.4	• 9			<u> </u>				3.3	13.0
	NNE	1.4	1.4	2.3	1.9	• 5							7.5	8.4
	NE	1.4	2.8	1.4	1.4	• 5							7.5	7.1
	ENE	.5	1.4	4 . 2	1.9	T		1					8.0	8.7

N			• 17	1.4	• 9						1	3.3	13.0
NNE	1.4	1.4	2.3	1.9	• 5						 	7.5	8.4
NE	1.4	2.8	1.4	1.4	• 5					1		7.5	7.1
ENE	•5	1.4	4 • 2	1.9							†	8.0	8.7
E	.9	• 5	1.9									3.3	6.0
ESE				1.4	• 5							1.9	13.5
SE		• 5	3.8	2.3	1.4	1.4	• 5					9.9	14.6
358		1.4	1.4	. 9			• 5					4.2	11.4
5		1.9	. 9	3.8	• 9	1.9						9.4	13.7
SSW		• 9		1.9	1.4	1.9						6.1	16.2
\$W	• 5	2.3	1.4	1.9								6.1	8.1
WSW	. 9	1.4	1.4		• 5	• 5					I	4.7	8.7
w	. 9	1.4	1.4	2.8	• 5	• 9	. 9	• 5				9.4	14.7
WNW	• 5	• 5	1.4	. 5	1.9	• 5						5.2	13.0
NW	• 5	• 9	1.4	1.9	1.4							6.1	11.3
NNW	• 5	1.9	2.8	. 9	.5	• 9						7.5	10.4
VARBL											I		
CALM	\boxtimes	\times	$\geq <$	><	\times	\times	$>\!\!<$	><	> <	\geq	$\triangleright <$		
	8.0	19.2	26.8	24.9	T	8.0	1.9	. 5				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $\frac{\text{FORM}}{\text{JUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ODDO2	MAUI OPTICAL SITE HI SOUTH TOWER	78-80 YEARS	MAR MONTH
	ALL_WE	ATHER	0900-1100
	CL	.A\$\$	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	žz · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 9	1.4	.9	• 9	• 5						4.6	12.1
NNE	• 9	. 9	2.8	3.2	• 9							8.8	10.1
NE	• 9	1.4	1.9	1.4								5.6	7.5
ENE	• 9	.9	1.4	.9								4.2	6.9
E	• 5	1.9	1.4	.9	.9							5.6	9.2
ESE	.9	1.9	1.4	. 9								5.1	7.2
SE	• 5		• 5	.9	1.4	1.4	• 5					5.1	17.7
SSE	• 9	• 5	2.3	4.6	.9	. 9	• 5					10.6	13.3
\$.9	1.4	3.2	4.2	• 9	• 5					11.1	15.1
SSW	• 5	• 5	.9	. 9	.9	1.7		• 5				5.6	17.0
SW	2.8	2.3	. 9	.9	• 5							7.4	6.4
WSW	.9	2.3	1.9	.5	.9		• 5					6.9	9.7
w	1.4	1.4	• 5	• 5	1.4	. 5	• 5					6.0	11.6
WNW	.9	• 5	.9	1.9	.9	1.4						6.5	13.9
NW	• 5	.9	.9	.9	.9				T			4.2	10.0
NNW		.9	• 5	•5		• 9						2.8	13.3
VARBL		1											
CALM	$\supset <$	\boxtimes	\times	\geq	\boxtimes	$\geq \leq$	\times	\times	\times	\times	><		
	12.5	18.1	20.8		14.8	7.9	2.3	,5				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 216

USAFETAC $_{\mathrm{JUL-64}}^{\mathrm{FORM}}$ 0-8-5 (OL-A) previous epitions of this form are obsolete

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HE SOUTH TO	WER 78-80		MAR
STATION	STATION NAME		YEARS	MONTH
	A	LL WEATHER		1200-1400
		CLASS		HOURS (L.S.T.)

NNW VARBL	•5	2.8	2.8	.9		•5						7.3	8.
NW	1.4	• 5	.9	1.4								4.1	7.
WNW		1.8	2.3	1.8		.9				1		6.9	11.
w	• 9	• 5	1.4	•5	1.4	•5		.9	l	1	 	6.0	16.
WSW	.9	1.8	• 5	•9	• 5	•5				 		5.0	9.
sw	2.3	• 9	.9	2.3	•5	.9	• 5	•5		 	1	8.7	12.
SSW	•9	1.8	• 5	1.4	• 9	.9	• 5			1	 	6.9	12
\$		2.8	2.3	3.2	• 5	• 5				1		9.2	10
SSE	.9	1.4	.9	1.8	2.8	•5		.5				8.7	14.
SE	•5	1.8	2.3	3.2	3.2	• 5						11.5	12.
ESE		1.4	2.3	• 5							1	4.1	7.
8	1.4	2.3		.9						<u> </u>	 	4.6	5
ENE	• 5	2.3	.9	• 5							<u> </u>	4.1	7.
NE	•5		1.8	1.4						 		3.7	10.
NNE	• 9	. 9	1.8	1.8								5.5	8
N		1.4	• 5	1.4		• 5						3.7	10.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS 218

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-80		MAR					
STATION	STATION NAME			YEARS	MONTH					
ALL WEATHER										
CLASS										
		COND	ITION							

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 5	• 9	• 5	• 9	• 5							3.2	10.0
NNE	• 5	1.8	1.4	1.4	1.4							6.5	16.9
NE			• 9	• 9								1.8	11.0
ENE	• 5	• 9		, 9								2.3	6.4
E		• 9	1.4	• 5	• 5							3.2	9.1
ESE		1.4	2.3	1.4								5.1	8.5
SE	• 5	• 9	3.7	2.3	_ • 5							7.8	9.6
SSE	• 9	• 9	2.3	6.0	1.8		• 5				• 5	12.9	13.9
\$	• 5	1.8	3.7	1.4	1.8	1.8	• 5					11.5	13.4
SSW	1.4	• 9	1.8	1.8	1.4	1.4						8.8	12.3
sw	1.4	2.8	• 5	1.4	• 5	1.4	_ •5	. 5				8.8	12.6
wsw	1.4	1.8	2.8			• 5	• 5	• 5				7.4	10.6
w		1.4	1.8	. 5	• 5	• 5						4.6	10.2
WNW	۰5	2.3	2.3	_ • 9	_ • 5							6.5	8.1
NW	• 5	1.4	• 5	• 5	• 9							3.7	9.5
NNW	• 9	• 9	1.8	1.4	• 5	• 5						6.0	10.3
VARBL													
CALM	$\geq \leq$	$\geq <$	$\geq <$	$\geq <$	$\geq \leq$	\geq	\geq	\geq	\geq	\geq	$\geq \leq$		
	9.2	21.2	27.6	22.1	10.6	6.0	1.8	. 9			• 5	100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 217

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-80	MAR
SYATION	STATION NAME	YEARS	MONTH
	1800-2000		
	GL	A55	HOURS (L.S.T.)
	CONI	DITION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N				• 5	1.4	• 5						2.3	17.8
NNE		. 9	2.8	1.9	1.4	• 5						7.4	12.1
NE			. 9									. 9	8.5
ENE			. 9	. 9	• 5							2.3	11.8
ŧ	• 5	• 9	• 5	1.4								3.3	9.1
ESE	• 9	1.4	. 9	. 9								4.2	7.0
SE	• 5	3.7	2.8	3.7	. 9	•9	• 5					13.0	10.5
SSE	. 9	. 5	1.4	1.4	2.3	1.4						7.9	14.3
S	. 5	. 9	2.8	1.9	1.9	2,3						10.2	14.2
SSW	• 5	1.0	2.3	. 9	2.3	2.3			1			10.2	13.7
sw	• 9	1.9	. 9	7.8	. 9	. 9	• 5	• 5				9.3	13.5
WSW		• 5	• 5			• 5						1.4	13.0
W	• 5	1.4	• 5	• 5	•5		. 9					4.2	13.2
WNW	1.4	3.3	1.9	1.4	.9							8.8	7.9
NW	• 9	1.4	1.4	. 9	1.9							6.5	10.3
NNW	• 5	3.3	2.3	1.4	• 5							7.9	8.5
VARBL													
CALM	$\supset <$	$\supset <$	$\supset <$	> <	$\supset <$	\times	\times	$\geq <$	$\supset <$		$\supset <$		
	7.9	21.9	22.8	20.5	15.3	9.3	1.9	,5				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 215

USAFFTAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL	SITE	HI S	OUTH T	OWER	78-	80					M	AR
STATION			STATIO	NAME					٧	EARS		, , , , , , , , , , , , , , , , , , , ,	M	ONTH
						ALL WE	ATHER						2100	-2300
						CL	.A55						HOUR	S (L.S.T.)
					w									
						CON	DITION							
		-, -												
	SPEED									Ī				MEAN
	(KNTS) DIR.	1 . 3	4 - 6	7 - 10	13 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	SPEED
	UIA.													
	N	•5	1.8	1.4	1.8	. 9						·	5.5	9.5
Į.	NNE	1	2.3	2.8	2.8		• 9						8.8	10.6
ĺ	NE	•5	1.8	1.8	.9								5.1	7.2
	ENE			• 5	.9								1.4	10.7
ľ		•5	. 9	• 5	1.8	• 9							4.6	11.3
Ì	ESE		.9				• 5						1.4	12.0
ľ	SE		2.3	2.3	3.7	• 5	• 9						9.7	11.2
	SSE	1.4	. 9	1.4	.9	2.3	1.8	• 5					9.2	14.3
1	S	.9		2.3	.9	1.4	2.3						7.8	15.0
ľ	eew.	. 0	. 9		2.3						 		11.1	12.6

1.8

• 9

• 5

TOTAL NUMBER OF OBSERVATIONS 217

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1.4

• 5

1.8

2.3

1.4

• 9

1.8

1.8

• 5

1.4

NNW

VARBL CALM • 5

1.8

1.4

2.3

2.8

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUI OPTICAL SITE HI SOUTH TOWER	78-80	MAR							
STATION	STATION NAME	YEARS	MONTH							
ALL WEATHER										
		LASS	HOURS (L S.T.)							
	COL	NDITION								

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 1	• 9	• 9	1.5	• 8	• 2						4.3	11.5
NNE	•6	1.5	2.6	2.2	• 8	• 2	• 1					8.0	10.1
NE	• 5	1.1	1.7	1.2	• 1							4.5	8.1
ENE	. 4	1.0	1.3	1.2	•1							3.9	8.4
E	• 5	1.2	8.	• 8	• 3							3.6	8.3
ESE	• 3	1.0	1.2	.9	• 1	• 1						3.6	8.7
SE	•4	1.3	2.3	2.5	1.2	. 8	• 2					8.7	12.4
SSE	.7	1.1	1.5	2.4	1.6	. 9	• 3	• 1			. 1	8.7	13.9
5	• 5	1.3	2.0	2.4	1.6	1.7	• 3	• 1				9.9	14.2
SSW	.6	1.1	1.3	1.7	1.3	1.7	•1	• 1				7.8	13.9
SW	1.4	1.7	1.0	1.6	• 3	• 8	• 5	• 2				7.4	11.8
WSW	• 6	1.4	1.3	.5	• 5	. 4	• 1	. 1				4.8	10.5
w	.7	1.3	1.2	.8	• 7	• 5	.4	• 2				5.7	12.6
WNW	.6	1.4	1.4	1.4	.7	• 6	• 1					6.3	11.0
NW	.9	1.0	1.3	1.4	1.1	• 1						5.9	10.3
NNW	• 6	2.0	1.9	1.3	• 5	. 4				T		6.7	9.5
VARBL													
CALM		\times	\boxtimes	\boxtimes	\boxtimes	\times	\times	\boxtimes	\geq	\geq	$\geq \leq$		
	9.5	20.4	23.6	24.0	11.5	8.3		.6			•1	100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 1727

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL	SITE HI	SOUTH T	OWER	78-	79					A	PR
STATION		STATION NAME					٧	EARS		****		IONTH
				ALL WE	ATHER						0000	-0200
				C	LASS						HOU	18 (L.S.T.)
				CON	DITION							
	 .			······································								
_				7'				,	,	·		,

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N					- 12 V,, 11							†	1
NHE			2.8						<u> </u>			2.7	8.0
NE		2.8		• 9	1.9			<u> </u>				5	10.7
ENE		1.9	. 9									2.8	6.0
E										<u> </u>			
ESE	.9	. 9	1.9	.9	1.9					1		6.5	11.6
SE		• 9	9.3	3.7	.9	1.9	.9		T	1		17.6	12.6
SSE	1.9		4.6	6.5	4.6	3.7		1.9				23.1	16.5
5		1.9	5.6	6.5	1.9							15.7	11.4
SSW		• 9	• 9									1.9	6.0
SW	. 9	• 9	. 9		1.9				† — — — — — — — — — — — — — — — — — — —	1		4.6	10.8
WSW		• 9		1.9								2.8	10.7
w				.9	.9	• 9						2.8	19.7
WNW	1.9	2.8										4.6	4.4
NW	. 9	3.7	• 9	• 9	1.9							8.3	9.1
WMM			• 9									.9	7.0
VARBL												1	
CALM	$\triangleright <$	\times	\times	\times	$\supset \subset$	\times	$>\!\!<$	\times	\boxtimes	$\supset \subset$	> <		
	6.5	17.6	28.7	22.2	15.7	6.5	• 9	1,9				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 108

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICA	L SITE HI	SOUTH T	OWER	78-79		APR
STATION		STATION NAME				YEARS	 MONTH
	0300-0500						
	_	HOURS (L.S.T.)					
	_						
				CON	DITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		• 9										. 9	6.0
NNE		1.9			1.9							3.7	12.0
NE					• 9							• 9	20.0
ENE	• 9	2.8										3.7	4.3
E		1.9	• 9					• 9		1		3.7	12.5
ESE	1.9	. 9	1.9	2.8								7.4	8.4
SE		2.8	6.5	.9	.9		1.9		<u> </u>	1		13.0	12.6
SSE		• 9	6.5	6.5	6.5	2.8	.9					24.1	15.3
\$		• 9	3.7	2.8	.9	.9						9.3	12.0
SSW	• 9		• 9	2.8						1	i	4.6	10.4
SW	1.9	1.9		1.9	1.9							7.4	10.0
WSW			• 9	1.9								2.8	11.0
W	1.9		1.9			2.8						6.5	12.9
WNW		1.9	1.9								 	3.7	6.0
NW	. 9		.9	3.7								5.6	9.5
HNW	.9		1.9						T		 	2.8	5.7
VARBL				 				 			 		
CALM	\times	\times	> <	>	\times	\times	\sim	\sim		> <	> <		
	9.3	16.7	27.8	23.1	13.0	6.5	2.8	, 9				100.0	11.6

TOTAL NUMBER OF OBSERVATIONS 108

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DDD2	NAUI	OPTICA	L SITE	HI S	OUTH_T	OWER	78-	79		EARS				PR
		-	······································		· · · · · · · · · · · · · · · · · · ·	ALL WE	ATHER						0600	-0800 s (L.s.T.)
		-				CÓN	DITION				-			
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N			.9									.9	10.0
	NNE	<u> </u>		2.8	. 9	• 9							4.7	11.0
	NE	1.9	• 9	.9			1.9						5.6	10.8
	ENE	• 9	.9	1.9									3.7	6.0
	E		1.9										1.9	5.5
	ESE	2.8	1.9			1.9							6.5	7.1
	SE		2.8	6.5	5.6	1.9	2.8						19.6	12.4
	3SE	1.9	1.9	3.7	5.6	4.7	2.8	1.9					22.4	15.0
	S		. 9	2.8	4.7	.9	.9						10.3	11.9
	SSW	. 9		. 9	2.8								4.7	10.2
	sw				• 9	. 9	1.9			Ĺ			3.7	20.5
	WSW			1.9	. 9								2.8	8.7
	w					1.9	.9			<u> </u>			2.8	21.3
	WNW	ļ	.9	. 9									1.9	6.5
	NW		. 9	1.9	1.9								4.7	9.0
	NNW		. 9	.9	1.9					L			3.7	10.5
	VARBL			Ļ	Ļ,	Ļ	Ļ,			Ļ	Ļ		ļ	
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	l	U	l	l	l		1		l	ŧ	l		1	I

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

C0002	MAUL OPTICAL SITE HE SOL	TH TOWER		APR
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		0900-1100
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.0											1.0	3.0
NNE	1.9	4.9	1.0	1.0								8.7	5.3
NE		3.9				1.0						4.9	8.6
ENE	1.9	1.0			1.0	1.0						4.9	10.2
ę		1.9			1.0							2.9	8.7
ESE		1.0		1.0	1.0							2.9	14.3
SE		2.9	5.8	10.7								19.4	11.4
SSE			4.9	5.8	5.8	1.0	2.9					20.4	17.4
\$	1.0	2.9	1.9	1.9	1.0							8.7	8.8
SSW		1.0			1.0							1.9	12.5
sw		1.0	1.0	2.9								4.9	10.6
WSW	1.9		2.9	1.0								5.8	6.7
w	1.9				2.9	1.9						6.8	15.7
WNW	1.0							<u> </u>				1.0	3.0
NW	1.0	1.9	1.0									3.9	5.0
NNW			1.0	1.0								1.9	9.0
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq \leq$	\ge	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	11.7	22.3	19.4	25.2	13.6	4.9	2.9					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-79		APR
STATION	STATION NAME			YEARS	MONTH
		ALL WE	EATHER		1200-1400
		C	LASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.0	2.0									3.0	6.3
NNE		2.0										2.0	4.0
NE		1.0				1.0						2.0	14.0
ENE			3.0		2.0							5.0	12.4
ŧ		1.0	2.0		1.0							4.0	9.8
ESE		1.0	1.0	2.0								4.0	10.5
SE		1.0	5.0	4.0		2.0	1.0					12.9	13.6
SSE		3.0	5.9	6.9			1.0			 		16.8	16.5
s	1.0	2.0	4.0	1.0		1.0						8.9	9.7
SSW	1.0	1.0	2.0	2.0	2.0							7.9	10.5
SW		1.0	1.0	3.0	2.0							6.9	12.6
WSW		2.0	1.0	3.0					1		1	5.9	9.3
w		3.0	4.0	1.0	1.0							8.9	9.1
WNW	1.0	3.0		1.0								5.0	5.8
NW		3.0	2.0	1.0								5.9	7.2
NNW	1.0									 		1.0	3.0
VARBL													
CALM		\times	$\supset <$	><	$\supset <$	><	> <	> <	> <	><	$\supset <$		
	4.0	24.8	32.7	24.8	7,9	4.0	2.0					100.0	10.1

TOTAL NUMBER	OF	OBSERVATIONS	1	01
		••••	1	.Ul

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL	SITE HI	SOUTH	TOWER	78-7	9		 	A	PR
STATION		STATION NAME					YEARS	 	M	ONTH
				ALL WE	ATHER				1500	-1700
				CL	ASS				HOUR	S (L.S.T.)
							 			
				CON	DITION					
	_									
-								 		

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		2.0	2.0			1.0						4.9	10.2
NNE		2.0	1.0	1.0								3.9	7.8
NE	2.0	2.0	1.0			1.0						5.9	7.8
ENE		2.9	1.0									3.9	6.5
Ę	1.0	2.9	3.9	1.0		1.0						9.8	8.5
ESE	1.0	2.0	5.9	1.0		1.0						10.8	9.3
SE	2.9		2.0	2.9			2.0					9.8	11.9
SSE	1.0	2.0	2.0	6.9	2.0	1.0		1.0				15.7	13.9
\$	1.0	1.0	1.0	1.0								3.9	7.0
SSW		1.0			1.0							2.0	11.5
SW	1.0	2.0	2.0		2.9	1.0						8.8	12.2
WSW	1.0	1.0	1.0	2.9								5.9	8.8
w		2.0	1.0	2.0								4.9	8.4
WNW	1.0	2.0		1.0	1.0							4.9	8.4
NW	2.9				1.0							3.9	6.3
NNW		1.0										1.0	5.0
VARBL													
CALM		\geq	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	14.7	25.5	23.5	19.6	7.8	5.9	2.0	1.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS	02	
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER 78-79		APR
S.ATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1800-2000
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.0	1.0	1.0						1			2.9	6.0
NNE			2.0	2.0	2.0	1.0						6.9	14.6
NE		2.9		1.0								3.9	6.3
ENE		1.0	1.0									2.0	7.0
£	2.9	2.0	2.0		1.0				l	1		7.8	6.6
ESE	1.0		2.9									3.9	7.0
SE	1.0	2.0	7.8	2.C	2.9		1.0	1.0				17.6	13.2
SSE		1.0	4.9	6.9	3.9	1.0		1.0				18.6	14.6
\$	1.0	2.0	2.9	1.0		2.0						8.8	12.0
SSW				1.0	1.0							2.0	16.0
SW	1.0	1.0	2.9	1.0	1.0							6.9	9.1
WSW	1.0	1.0	2.0	2.0								5.9	8.3
W	2.0				1.0						<u> </u>	2.9	6.7
WNW	1.0				1.0							2.0	10.5
NW		2.0	1.0	2.0	1.0			İ				5.9	11.8
NNW		1.0		1.0						1		2.0	7.5
VARBL					<u> </u>			<u> </u>					
CALM		\times	\boxtimes	$\supset <$	\boxtimes	> <	\geq	\boxtimes	\boxtimes	\boxtimes			
	11.8	16.7	30.4	19.6	14.7	3.9	1.0	2.0				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 102

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI	SOUTH TOWER	78-79		APR
STATION	STATION NAME			YEARS	MONTH
			2100-2300		
		CL	ASS		HOURS (L S.T.)
			NYION		

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N			1.0	1.0								2.0	10.5
NNE		1.0	1.0			1.0						3.0	12.3
NE	1.0	1.0	1.0		1.0							4.0	9.0
ENE		1.0			1.0							2.0	12.0
E	1.0	3.0	1.0	1.0								6.0	5.7
ESE			2.0									2.0	7.5
SE		2.0	4 • D	11.0	1.0		2.0					20.0	12.8
SSE	1.0		6 • D	9.0	7.0	3.0						26.0	14.5
5		2.5	1.0	2.0	1.0							6.0	9.7
SSW			2.0	1.0	1.0							4.0	12.5
SW	1.0	1.0	3.0		2.0							7.0	9.7
WSW	1.0		1.0	1.0								3.0	7.3
W	1.0	1.0			3.0							5.0	11.6
WNW	1.0	1.0										2.0	4.5
NW		2.0	1.0	3.0								6.0	10.0
NNW		2.0			i							2.0	5.0
VARBL													
CALM	$\geq <$	> <	\ge	\geq	\geq	\times	\times	\geq	\geq	\geq	\geq		
	7.0	17.0	24.0	29.0	17.0	4.0	2.0					100.0	11.4

TOTAL	NUMBER	OF	OBSERVATIONS	100

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI		78-79	APR MONTH
2	***************************************	ALL WEA	THER	ALL HOURS (L.S.T.)
		COND	ITION	

SPEED (KNTS) DIP	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	• 6	•8	•1		• 1						1.9	8.0
NNE	• 2	1.4	1.3	•6	•6	• 2						4.5	9.5
NE	• 6	1.8	. 4	• 2	•5	•6						4.1	9.6
ENE	• 5	1.4	1.0		• 5	• 1						3.5	8.
£	•6	1.8	1.2	.2	.4	• 1		•1				4.5	8.
ESE	1.0	1.0	1.9	1.0	•6	•1						5.5	9.
SE	• 5	1.8	5.9	5.1	1.0	, A	1.1	•1			i — —	16.2	12.
SSE	.7	1.1	4.8	6.7	4.3	1.	. 8	.5	 			20.9	14.
5	•5	1.7	2.9	2.6	• 7	.6			1			9.0	10.
SSW	. 4	• 5	.8	1.2	.7			1	1			3.6	11.
SW	• 7	1.1	1.3	12	1.6	.4		 	 	 		6.3	11.
WSW	•6	•6	1.3	1.8	<u> </u>				 	 	 	4.3	8.
w	• 8	• 7	.8	•5	1.3	.8		 	 			5.1	12.
WNW	•8	1.4	.4	,2	•2			 				3.1	6.
NW	.7	1.7	1.1	1.6	.5			 	 	 	 	5.5	8.
NNW	•2	•6	.6	.5			 		 			1.9	7.
VARBL				<u>`</u> -	 	 	 	 	 	 	 		
CALM	> <	> <			>>		$\geq \leq$						
	9.1	19.3	26.6	23.6	12.9	5.9	1.9	.7				100.0	11.

TOTAL NUMBER OF OBSERVATIONS 831

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL	SITE	нІ	SOUTH	TOWE	R	78-	79	 				MAY
STATION			STATION	NAME						 Y	CARE	 		MONTH
						ALL	WEAT	HER		 			00	00-0200
							CLAS	8		 			н	URS (L.S.T.)

							CONDIT	ION						
										 				
									,	 		 		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	1.4	2.2			1.4						6.5	9.6
NNE			.7			• 7						1.4	16.0
NE	1.4	•7		.7								2.9	5.5
ENE	1.4	2.9	•7	1.4								6.5	6.7
E	.7	•7	2.2	•7				 				4.3	7.8
ESE	1.4	.7	2.2	.7								5.1	7.6
SE		2.1	4.3	3.6	2.2				T			13.0	10.8
SSE	.7	1.4	2.2	1.4	1.4	2.2	2.9		T			12.3	17.4
5		• 7	4.2	5.1	.7							8.7	12.5
SSW			2.2	1.4	.7							4.3	12.0
SW	1.4		.7	.7								2.9	6.5
WSW	2.2		.7	.7								3.6	4.8
W		1.4	2.2	2.2								5.8	9.0
WNW	.7	2.9	1.4	3.6	1.4							10.1	10.4
NW	.7		2.9	.7	2.9							7.2	12.6
NNW	2.2	1.4		1.4								5.1	7.1
VARBL													
CALM		$\supset \subset$	\boxtimes	> <	\boxtimes	\boxtimes	$\geq <$	\times	\boxtimes	\boxtimes	$\supset <$		
	14.5	17.4	26.8	24.6	9.4	4.3	2.9					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 138

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HI SOUTH TOWE	R 78-79	MAY					
STATION	STATION NAME	YKARS	MONTH					
	ALL	WEATHER	0300-0500					
		CLASS	HOURS (L.S.T.)					
		CONDITION						

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
2				***************************************	. 7	1.4		_]	2.2	22.3
NNE	1.4	1.4		• 7								3.6	5.6
NE	1.4	• 7	1.4	•7								4.3	7.2
ENE		2.9	1.4									4.3	5.3
E		2.2	3.6	• 7								6.5	7.6
ESE	.7	• 7	1.4									2.9	6.3
SE	• 7	2,9	4.3	1.4	3.6	• 7						13.8	11.4
SSE		1.4	1.4	3.6	1.4	3.6	1.4					13.0	17.6
\$		2.2	1.4	2.2	.7				I			6.5	9.9
SSW	1.4		2.2	1.4								5.1	8.0
_sw	1.4	• 7		2.9	.7							5.8	10.6
wsw	1.4		1.4									2.9	5.5
w	.7	2.2		1.4								4.3	7.5
WNW	.7	2.2	1.4	2.9	3.6							10.9	11.8
NW	1.4	2.9	2.2	2.9	7							10.1	8.8
NNW		. 7	2.2	7								3.6	9.0
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\boxtimes	\times	$\geq \leq$	\geq	\times	\geq	$\geq \leq$		
	11.6	23.2	24.6	21.7	11.6	5.8	1.4					160.0	10.4

TOTAL NUMBER OF OBSERVATIONS 138

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

~~~	11702	41 1244			00171 1	· ·		<u> </u>						<u> </u>
STATION			STATION	NAME					Y	EARS			M	ONTH
						ALL WE	ATHER						0600	-0800
						C1	.A85				<del></del>		HOUR	8 (L.S.T.)
						CON	DITION				<del></del>			
	SPEED (KNTS) DIR.	1 · 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 · 55	≥56	×	MEAN WIND SPEED
	N			. 7									.7	10.0
	HINE				.7	• 7							1.4	14.0
	NE	.7			1.4	•7							2.9	11.5
	ENE	1.4	3.6	2.9	2.2								10.1	7.5
į	E			•7									.7	8.0
	ESE	.7	1.4	3.6									5.8	6.8
	SE	.7	2.2	3.6	1.4	2.2	•7	.7					11.6	12.1
	SSE			2.2	3.6	4.3	.7	2.9					13.8	17.8
	5	2.2		1.4	2.9								6.5	8.8

NE	• 7			1.4	• 7				l	I	i	2.9	11.5
ENE	1.4	3.6	2.9	2.2								10.1	7.5
ŧ			•7									.7	8.0
ESE	.7	1.4	3.6									5.8	6.8
SE	.7	2.2	3.6	1.4	2.2	• 7	.7					11.6	12.1
SSE			2.2	3.6	4.3	•7	2.9					13.8	17.8
S	2.2		1.4	2.9								6.5	8.8
SSW	2.2		2.2	1.4								5.8	8.0
\$W	1.4	1.4	• 7	3.6								7.2	8.8
WSW	2.9	.7	.7	.7								5.1	5.3
W	• 7	1.4		2.2								4.3	9.3
WNW	1.4	2.2	1.4	1.4	• 7							7.2	8.2
NW	2.2	3.6	.7	3.6	2.2							12.3	9.6
NNW			2.9	1.4							T	4.3	9.5
VARBL	i .												
CALM	><	><	><	><	><	$\times$	><	$\times$	$\supset <$	$\supset <$			
	16.7	16.7	23.9	26.8	10.9	1.4	3.6					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

138

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HE SOUTH TOWER	78-79	MAY						
STATION	SYATION STATION NAME YEARS								
	ALL WE	ATHER	0900-1100						
	CL	.A\$\$	HOURS (L.E.T.)						
	CAN								

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 35	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
N		1.5										1.5	6.0
NHE		3.0	.7	1.5								5.2	6.9
NE	• 7	1.5	1.5									3.7	6.4
ENE	2.2	• 7	2.2	1.5								6.7	7.6
		. 7	1.5	.7								3.0	7.5
ESE		7.02	2.2									4.4	7.2
SE	.7	2.2	1.5	5.2	• 7	1.5						11.9	11.9
SSE	.7	2.2	1.5	3.0	2.2	1.5	1.5					12.6	15.1
S	1.5	2.2	1.5	2.2	• 7							8.1	8.5
SSW			1.5	1.5								3.0	11.3
sw	1.5	•7	.7		• 7							3.7	6.8
WSW	1.5	1.5	2.2	1.5	. 7							7.4	8.4
w		3.0	5.2	2.2	•7							11.1	9,3
WNW	2.2	. 7				2.2				T		5.2	12.0
NW	.7	2.2	2.2	3.0	• 7							8.9	9.4
NNW	.7	. 7	• 7	.7	• 7							3.7	9.2
VARBL													
CALM	$\geq \leq$	$\times$	> <	$\times$	$>\!\!<$	> <	> <	$\boxtimes$	$\ge$	$\geq$	$\geq$		
	12.6	25.2	25.2	23.0	7.4	5.2	1.5				Ì	100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 135

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUT	UPILLA	r atif	<u>ur 2</u>	UUIN I	UNEK	78-	/ 7						A 1
STATION			STATIO	NAME					Y	EARS				ONTH
						ALL WE								-1400
						CL	.A55						HOUR	s (L.S.T.)
						CON	DITION							
		,									,			
	SPEED (KNTS)	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	48 - 55	≥56	*	MEAN
	DIR.	1.,	•••	7.10	11 . 10	17 - 21	20.27	40.00	34.40	41.4			~	SPEED
	<u> </u>	1.4		2.2						·			3.6	5.8
	NNE	.7	3.6	1.4	1.4	<del> </del>	<del> </del>	<del> </del>	<b></b>				7.2	6.5
	NE		1.4	1.4			<del> </del>	· · · · · · · · · · · · · · · · · · ·	<del>}</del>	<del></del>	-		2.9	7.5
	ENE		2.9	• 7	.7	<del></del>	<del> </del>		<u> </u>	<del></del>			4.3	6.3
			1.4	• 7	•					<del> </del>			2.2	6.7
	ESE	.7	2.9		ļ			ļ	<del>                                     </del>		<del> </del>		3.6	4.8
	SE		2.2	1.4	1.4	.7		<b></b>	<del> </del>	<del> </del>	1		5.8	9.6
	\$5E	.7	3.6	1.4	2.2	2.9	.7	.7	1.4	<del> </del> -	1		13.7	14.8
	5	• 7	• 7	2.2	1.4	.7	•7	· ·	•••		1		6.5	10.3
	SSW		1.4	2.9		<del></del>			<del></del>	<del></del>			4.3	7.2
	sw	<b> </b>	2.9	2.2	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>	<b></b>		5.0	7.0
	WSW	1	2.9	3.6	.7	.7	<del> </del>	<b></b>			<del> </del>		7.9	8.1
	w	1.4	5.0	•7	2.2	• 7			<del> </del>	<del> </del>			10.1	7.4
	WWW	1.4	•7	4.3	1.4	<del>                                     </del>	-			<del></del>	<del> </del>		7.9	7.9
	NW	.7	2.2	3.6	1.4	.7	<del> </del>	<del> </del>		<del> </del>	<b></b>		8.6	8.9
	NNW	7	1.4	2.2	•7	1.4	<del> </del>		<b></b>		<b>†</b>		6.5	9.6
	144004	<del> </del>	- <del></del>		<del>                                     </del>	<del>  •••</del>	<del></del>	<del> </del>	<del> </del>	<del> </del>	<b> </b>			<del>                                     </del>

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	MAY
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	1500-1700
	Ct./	168	HOURS (L.S.T.)
	COND	ITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N		2.2	2.2	.7								5.1	8.3
NNE	• 7	1.4	• 7									2.9	6.3
NE	1.4	1.4	.7	1.4								5.1	6.0
ENE		•7	1.4	• 7								2.9	9.0
£	•7	1.4	1.4	1.4								5.1	7.Q
ESE	1.4	1.4	2.2	1.4								6.5	7.0
SE	.7	2.2	3.6	3.6		• 7						10.9	9.7
SSE	•7		. 7	.7		3.6	• 7					6.5	19.4
\$	. 7	1.4		1.4	1.4	• 7						5.8	11.8
SSW		.7	.7	2.2								3.6	11.4
SW	2.2	1.4	4.3	1.4								9.4	6.9
WSW	1.4	5.1	1.4	1.4	.7							10.1	6.8
W	.7	.7	1.4	1.4	.7							5.1	9.4
WNW	.7	2.2	1.4	• 7								5.1	6.6
NW	1.4	1.4	3.6	1.4	.7							8.7	9.1
NNW	.7	1.4	3.6	1.4								7.2	7.4
VARBL													
CALM	$\geq \leq$	> <	$\geq <$	$\geq <$	$\geq$	> <	> <	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$		
	13.8	25.4	29.7	21.7	3.6	5.1	.7					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE H1 SOUTH TOWER	78-79 YEARS	MAY
	ALL	WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.7			.7	•7							2.2	11.0
NNE	1.5		2.2	1.5	.7							5.8	9.5
NE		2.9	• 7	1.5								5.1	8.0
ENE		2.2	.7	2.2								5.1	9.4
ŧ	1.5	1.5	2.2	.7								5.8	6.0
ESE	.7	1.5	1.5									3.6	6.0
SE	.7	2,9	5.1	3.6	2.2							14.6	11.0
354	2.2		3.6		•7	2.2	2.2					10.9	16.2
8	.7		.7	2.2	.7							4.4	11.8
SSW	.7	2.9	•7		• 7	.7						5.8	8.9
SW	1.5	2.2	1.5	1.5								6.6	7.1
WSW	1.5	2.2	.7	.7	.7							5.8	7.3
W	2.9		2.9	1.5								7.3	6.8
WNW	.7	.7	2.9	.7		•7						5.8	9.0
NW	2.2	1.5	2.2	2.2	.7	•7						9.5	9,9
NNW					1.5							1.5	17.5
VARM	1							1			T		
CALM	$\bowtie$	$\geq \leq$	$>\!\!<$	$\times$	> <	> <	$\times$	$\times$	$\geq \leq$	$\times$	$\geq$		
	17.5	20.4	27.7	19.0	8.8	4.4	2.2					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 137

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

138

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DDDD2	MAUI	OPTICA	L SITE	HI S	OUTH T	OWER	78-	79		EARS	<del></del> -			AY
HOITATE			STATIO	MAME					Y	EART				
						ALL WE								-2300
						CL	ASS						HOUR	s (L.S.T.)
		_			<del></del>		DITION							
						CON	DITION							
								<del></del>						
,														
	SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥\$4	*	MEAN WIND SPEED
	N													
	HNE	• 7	1.4	• 7	.7	1.4	• 7						5,8	11.4
	NE		3.6	.7	• 7								5.1	7.4
	ENE		• 7	1.4	2.9		•7						5.8	11.9
	ŧ	.7	2.2	1.4	1.4								5.8	7.4
	ESE		2.9	1.4					L				4.3	6.0
	SE		2.2	5.1	3.6	1.4	.7						13.0	11.6
	358	.7	2.2	3.6		2.2	2.2	2.2					13.0	16.2
	\$	.7		1.4	1.4	.7	.7						5.1	12.9
	SSW		1.4		.7	1.4							3.6	13.2
	sw	.7	2.2	2.2	2.2	L	<u></u>		<u> </u>				7.2	7.7
	WSW	1.4		2.2	1.4								5.1	8.3
	w	1.4		2.2	2.9						<u> </u>		6.5	9.6
	WNW		1.4	1.4	2.9	1.4							7.2	11.4
	NW	.7	• 7	3.6			2.2						7.2	11.6
	HHW	.7	1.4		2.2	.7	<u> </u>						5.1	9.7
	VARBL							L						
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	<u> </u>	
		8.0	22.5	27.5	21.2	0.4	7.2	2.2					100.0	10.0

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPELD (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL		SOUTH	TOWER	78-79			MAY
STATION		STATION NAME				YEARS		MONTH
				ALL WE	ATHER			ALL
				CI	ASS		<del></del>	HOURS (L.S.T.)
				CON	DITION			
		<del></del>			······································	<del></del>		
_								

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4 55	≥56	*	VEAN WIND SPEED
N	• 5	.6	• 9	•2	• 2	. 4						2.7	9.8
NNE	•6	1.4	. 8	. 8	. 4	• 2						4.2	8.5
NE	.7	1.5	. 8	.8	• 1				l			4 • B	7.3
ENE	.6	2.1	1.5	1.5		• 1						5.7	7.9
ŧ	• 5	1.3	1.7	.7								4.2	7.2
ESE	•7	1.7	1.8	. 3								4.5	6.6
SE	• 5	2.5	3.6	3.0	1.6	• 5	• 1					11.8	11.1
SSE	•7	1.4	2.1	1.8	1.9	2.1	1 . 8	•2				12.0	16.6
\$	.8	• 9	1.4	2.4	. 7	, 3						6.4	10.7
\$5W	• 5	. 8	1.5	1.1	.4	•1						4.5	9.7
SW	1.3	1.5	1.5	1.5	• 2							6.0	7.8
WSW	1.5	1.5	1.6	.9	. 4							6.0	7.1
w	1.0	1.7	1.8	2.0	• 3							6.8	8.5
WNW	1.0	1.6	1.8	1.7	•9	. 4	l					7.4	9.8
NW	1.3	1.8	2.6	1.9	1.1	. 4						9.1	9.9
NNW	•6	• 9	1.5	1.1	.5							4.6	9.0
VAROL													
CALM	> <	$>\!\!<$	> <	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\boxtimes$	$\boxtimes$		
	12.9	23.3	27.1	21.7	8.6	4.4	1.9	.2				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 1101

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUI OPTICAL SITE HI SOUTH TOWER	78-79 YEARS	JUN
	**************************************	EATHER GLADE	0000-0200 HOURS (L.S.T.)
	CC	NOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N	1.1	• 6	1.7	1.7			.6					5.6	10.6
NNE	1.7	1.1	5.1	2.8	1.7	1.1						13.6	11.3
NE	•6	2.3	2.8	3.4	1.7							10.7	10.6
ENE	• 6		1.1	1.1								2.8	10.6
ŧ	•6	1.1	1.1									2.8	6.0
ese		1.7	1.7	1.7								5.1	9.4
SE	1.1	1.7	4.0	4.0	1.1							11.9	10.4
358			2.3	5.1	2.8	1.7						11.9	15.7
8	1.1	• 6	2.8	5.1	.6	.6						10.7	11.9
SSW	2.8	2.3										5.1	3.7
SW	•6	1.7										2.3	4.0
WSW	•6	.6	.6									1.7	4.7
W	2.3	•6	1.1									4.0	4.7
WNW	3.4	.6										4.0	2.7
NW	•6	1.1		1.7		1.1						4.5	12.8
NNW	•6	•6	1.7			.6						3.4	9.2
VARAL													
CALM	$\boxtimes$	$>\!\!<$	$\boxtimes$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\boxtimes$	$\geq \leq$	$\boxtimes$	$\boxtimes$		
	17.5	16.4	26.0	26.6	7,9	5.1	.6					100.0	10.1

TOTAL NUMBER OF OSSERVATIONS 177

### SURFACE WINDS

JUN

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HAUI OPTICAL SITE HI SOUTH TOWER 78-79

LTION			STATIO	NAME					Y	EARS			M	ONTH
						ALL WE	ATHER						0300	-0500
		<b></b>				CL	.A88						HOUR	8 (L.S.T.)
						CON	DITION							
						COM	DITION							
		-												
-						<b></b>	<del></del>		,		·			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
	N	1.7	• 6	1.7	1.7	1.7	• 6						7.9	10.9
	NNE		1.7	5.1	5.1	1.1							13.0	10.2
Ĺ	NE	• 6	• 6	2.3	4.5	.6							8.5	10.5
	ENE		•6	• 6	• 6								1.7	7.3
	8	•6	2.3	1.1	. 6								4.5	6.6
	ESE	•6	1.7	2.8	1.7					l			6.8	7.9
	SE	• 6	2.3		2.3	1.1							6.2	10.7
	\$5E	1.1	• 6	1.1	6.8	5.1							14.7	13.8
	\$	2.3	1.1	2.8	1.1	3.4							10.7	10.8
	SSW	.6	1.7	. 6	.6		9.6						4.0	8.7
	SW	•6											.6	3.0
	WSW	•6	• 6										1.1	2.5
	w	2.3	1.1	.6									4.0	3.4
	WNW	•6	1.1	.6	.6	.6							3.4	8.5
	NW	1.7	• 6		.6	1.1	Ì	(					4.0	8.9
	*****	2.7	7.4	2.7	4	4	T	``			1		0.0	

TOTAL NUMBER OF DESERVATIONS 17

100.0

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

								•					••••
					ALL WE	ATHER							-0800
												HOUR	S (L.S.T.)
				<del></del>		DITION							
					CON	DITION							
	_	<del></del>						~ <del></del> _	····				
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	.6	.6	.6	1.7	1.7	•6						5.7	12.9
NNE	.6	1.7	5.7	6.8								14.8	9.7
NE	1.1	1.7	2.8	1.7	.6	1.1						9.1	10.9
ENE	1.7	1.1										2.8	3.4
ŧ	.6	4.5	1.1			l						6.2	4.9
ESE	•6	2.8		2.3								5.7	7.7
SE	• 6	3.4	1.1	1.1	1.7							8.0	9.1
SSE		1.1		€ .8	3.0							11.4	14.6
\$	1.1	1.7	.6	4.5	#.U	1						11.9	12.3
SSW	1.1	1.1	. 6									2.8	4.4
SW	1.7					}		i -				1.7	2.7
WSW	2.3											2.3	2.5
w	.6	1.1						I				1.7	4.3
WNW	1.1	1.1	1.1	•6				I				4.0	6.4
NW	•6	•6	1.7	1.1	6	.6		T				5.1	11.3
NNW	1.7	1.7	1.7		1.1	.6						6.8	8.4
VARBL													
		<del></del>			<del></del>				$\overline{}$	7		1	T

TOTAL NUMBER OF OBSERVATIONS

176

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL	SITE HI	SOUTH	TOWER	78-79		JUN
STATION			STATION NAME				YEARS	MONTH
					ALL WI	EATHER		0900-1100
					G	LASS		HOURS (L.S.T.)
					COI	VOITION	71	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.2		1.2	3.5		•6						6.4	11.7
NNE	•6	1.2	4.1	4.7	•6							11.0	10.6
NE	•6	1.7	4.1	.6								7.0	8.2
ENE	1.2	•6	.6	.6	1.2	•6						4.7	12.3
	1.2	1.2	1.2									3.5	4.8
ESE	2.3	2.9	2.9	2.5	•6				T			11.6	7.8
SE		2.3	2.3	1.7						1		6.4	8.5
358		2.9	2.3	3.5	2.3	2.3						13.4	13.3
\$	1.2	.6	1.7	1.7	2.9	.6						8.7	12.3
SSW	1.2	2.9		.6								4.7	5.4
SW	1.7	1.2										2.9	3.6
WSW	•6											•6	3.0
w	1.2	• 6	1.7									3.5	5.2
WNW	•6	2.3		.6								3.5	6.5
NW	.6	1.7	.6		•6	.6						4.1	9.4
HHW	1.7	1.7	2.9	1.2	•6	<u> </u>						8.1	7.9
VAROL													
CALM	$\supset <$	$\times$	$\geq <$	> <	$\times$	$\times$	$\geq <$	$\geq <$	$\supset <$	$\supset <$	$\times$		
	15.7	23.8	25.6	21.5	8.7	4.7						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 172

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

173

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI	OPTICA	L SITE	N NAME	OUTH T	OWER	78-	79	<del></del>	EARS				ONTH
					ALL WE	ATHER						1200	-1400
			<del></del>			ASS							8 (L.S.T.)
	- -				CON	DITION							
SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	46 - 55	≥34	*	MEAN WIND SPEED
N	+	3.5	•6	5.2	4.0	<del> </del>	<del> </del>					13.3	12.0
NNE	.6	2.9	•6	2.9	7.0	<b></b>	<b></b>	ļ	<del> </del>			6.9	8.3
NE	•6	1.7	3.5	2.3			<del>                                     </del>	i	<del>                                     </del>	<del> </del>		8.1	8.5
ENE	.6	2.3	2.3	•6	<del>                                     </del>	<b> </b>	<del> </del>	<b></b>	<del> </del>	<del>                                     </del>		5.8	7.0
ŧ	1.7	2.9	1.2	.6	•6	<del></del>			<del> </del>	<del> </del>		6.9	6.7
ESE	1	2.3	1.7	<del>                                     </del>		<del> </del>						4.0	6.9
ŞĒ	1.7	1.2	2.9	2.9	<del> </del>	<u> </u>			<b></b>	i		8.7	8.8
SSE	1.2	1.7	4.0	.6	3.5	.6			<del>                                     </del>			11.6	11.7
\$	•6	1.7	1.7	2.3	2.3							8.7	11.6
SSW	.6	•6	1.2	.6								2.9	7.6
SW	1.2	.6	1.2	1		1				1		2.9	5.2
WSW	1.2	2.3		1		1						3.5	4.2
w	1.7	2.3	1.2									5.2	4.4
WNW	1.2	1.2										2.3	4.3
NW	1	2.3	.6									2.9	5.0
NNW	.6	1.2	2.9	1.7								6.4	8-1
VARBL													
CALM	$\geq \leq$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\geq \leq$	$\boxtimes$	$\geq \leq$		
	13.3	30.6	25.4	19.7	10.4	. 6	<u> </u>		1	<u> </u>		100.0	8.6

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

175

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	FIRST STATE OF TOWER YEARS													MONTH		
STATION														1-170		
			ALL WEATHER													
						Cf	.486						HOUR	15 (L.S.		
						CON	DITION									
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	244	*	ME WI SPI		
	N	• 6	1.1	1.7	3.4	<u> </u>							6.9	10		
	NNE		2.3	3.4	6.3	•6				1			12.6	10		
	NE	1.1	•6	1.1	1.1								4.0	6		
	ENE	•6	2.9										3.4	4		
		.6	1.1	1.1	.6			<u> </u>					3.4	6		
	ESE		2.3	1.1	1.1				1				4.6	7		
	3.6	1.1	1.7	4.6	5.1	.6							13.1	9		
	35.6		•6	1.7	5.7	1.7	.6						10.3	13		
	8	•6	1.7		1.1	2.3							5.7	11		
	SSW	.6	1.7										2.3	4		
	sw	• 6	1.1										1.7	] ;		
	WSW	1.1	1.1		I								2.3			
	w	.6	2.3	1.1									4.0	5		
	WNW	.6	4.0	1.7									6.3			
	NW	3.4	4.0	2.9					<u> </u>				10.3	1 4		
	HHW	1.1	1.1	3.4	2.9	•6							9.1	9		
	VARBL								<u> </u>							
	CALM	><	><	><	><	><	><	><	$\geq <$	><	><	><				
		12.6	29.7	24.0	27.4	5.7	.6						100.0	[ [		

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79 YEARS	JUN_
		ATHER	1800-2000 HOURS (L.S.T.)
	GONI	DITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - \$5	≥34	*	MEAN WIND SPEED
N	.6	1.7	5.7	2.3	3.4							13.6	11.2
HHE	•6	• 6	4.0	7.4	• 6							13.1	11.0
NE		2.3	3.4	1.1								6.8	7.3
ENE	.6	2.3		.6								3.4	5.5
E	•6	1.7	1.1							1		3.4	5.7
ESE	•6	1.1	1.7	2.3								5.7	8.6
SE	.6	2.3	4.0	10.2								17.0	10.3
\$\$E	.6	.6	1.1	2.3	4.0	2.8						11.4	16.7
\$	•6	1.7		.6	1.7	,6						5.1	12.7
\$5W	•6											•6	2.0
sw	•6	• 6										1.1	4.5
wsw	1.1	1.1										2.3	3.3
w	1.1	1.1										2.3	4.3
WNW	1.1	• 6	.6									2.3	5.0
NW	1.7	. 6	1.1		•6							4.0	6,7
HHW	.6	3.4	.6	2.3	1.1							8.0	9.6
VARM													
CALM		> <	$\supset \subset$	$\supset <$	$\triangleright <$	> <	$\boxtimes$	$\supset <$	$\boxtimes$	$\supset <$	><		
	11.4	21.6	23.3	29.0	11.4	3.4						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 176

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	JUN
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	2100-2300
	GI	.A98	HOURS (L.S.T.)
	CAM	01710U	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N		1.7	2.8	2.8	1.7	.6	•6					10.2	13.0
NNE		1.7	5.1	5.1		• 6						12.5	10.8
NE	1.1	1.7	3.4	2.3								8.5	8.1
ENE		1.7	2.3	2.8				1				6.8	8.8
ŧ i	1.1	1.1	1.7	.6								4.5	7.4
ESE			1.1	3.4								4.5	12.3
\$E		1.1	5.1	5.1	1.1							12.5	11.0
SSE		1.1	2.8	2.3	2.8	2.8	• 6					12.5	15.8
8	1.7	2.3	.6	4.0								8.5	8.3
SSW	1.1											1.1	3.0
SW	2.3	1.1										3.4	3.2
W\$W	1.1											1.1	1.5
W	2.3	• 6	1.1									4.0	4.6
WAW	•6	• 6	• 6	I								1.7	5.0
NW_	.6	• 6			1.7							2.8	12.4
HHW	1.1	.6	1.7	1.1	.6							5.1	8.9
VARBL													
CALM	$\supset <$	> <	> <	> <	$\times$	> <	$\geq$	$\geq <$	$\boxtimes$	$\triangleright <$	$\geq \leq$		
	13.1	15.9	28.4	29.5	8.0	4.0	1.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 176

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### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002 HAUI OPTICAL SITE HI SOUTH TOWER 78-79	JUN
STATION STATION NAME YEARS	MONTH
ALL WEATHER	ALL
CLASS	HOURS (L.S.T.)
CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 • 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.7	1.2	2.0	2.8	1.6	• 3	•1					8.7	11.6
NNE	• 5	1.6	4.1	5.1	•6	• 2						12.2	10.5
NE	• 7	1.6	2.9	2.1	.4	• 1						7.8	9.1
ENE	• 6	1.4	.9	.8	•1	•1						3.9	7.
	• 9	2.0	1.2	.3	• 1							4.4	6.
ESE	• 5	1.9	1.6	1.9	.1							6.0	8.4
SE	.7	2.0	3.0	4.1	.7							10.5	9.
\$56	.4	1.1	1.9	4.1	3.2	1.4	•1					12.1	14.4
\$	1.1	1.4	1.3	2.6	2.1	•2						8.8	11.4
SSW	1.1	1.3	• 3	.2		•1						2.9	5.4
SW	1.1	. 8	•1				1					2.1	3.
WSW	1.1	• 7	.1				1					1.9	3.0
*	1.5	1.2	.9									3.6	4.1
WNW	1.1	1.4	.6	•2	• 1							3.4	5.
NW	1.1	1.4	.9	. 4	.6	.3						4.7	8.
NNW	1.2	1.7	2.1	1.2	.6	•1				1		7.0	8.
VARBL		<u> </u>			1								
CALM	$\boxtimes$	$\geq <$	$\geq <$	$\times$	$\geq$	$\times$	$\boxtimes$	$\ge$	$\times$	$\ge$	$\boxtimes$		
	14.4	22.8	23.9	25.9	10.1	2.8	•2					100.0	9.

TOTAL NUMBER OF OBSERVATIONS 1402

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

166

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	00002	MAUI	OPTICA		HI S	OUTH T	OWER	78-	79		EARS				UL
1	STATION						ALL WE	ATHER		•				0000	-0200 • (L.*.T.)
£			_				CON	DITION							
1			1								T				<del></del>
•		SPEED (KNTS) DIR,	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥\$4	*	MEAN WIND SPEED
•		N	.6	1.8			1.8	2.4						6.6	16.0
		NNE		1.8	1.8	3.6								7.2	10.6
•		NE		2.4	1.8	3.6	1.2	•6						9.6	11.3
		ENE		1.2	2.4	.6	•6							4.8	9.5
		1		3.0	1.8									4.8	6.4
C		ESE	.6	1.8	3.0									5.4	6.6
		SE	. 6	1.8	9.0	6.6	1.8							19.9	10.6
		358		• 6	3.6	9.0	2.4	.6						16.3	12.6
C		\$		2.4	2.4	1.8	•6							7.2	8.8
		SSW		1.2		6								1.8	7.3
		SW	.6	1.2										1.8	3.7
C		WSW	L	1.2			L							1.2	5.0
		w		.6										.6	5.0
_		WNW		.6	.6		•6							1.8	11.7
C		NW			1.8	.6	1.2	.6	.6	.6		L		5.4	18.0
		NNW	.6		.6	2.4	1.8							5.4	13.9
_		VARBL									L				
C		CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$		
		L	3.0	21.7	28,9	28.9	12.0	4,2	.6	.6	L	L		100.0	11.1

00002

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	117.00	OFTICA	STATIO	N NAME	00111 1	VALK		<u></u>	· ·	EARS	<del></del>		- <del> </del>	CNTH
						ALL WE	ATHER						0300	-0500
						Ç.	ASS							15 (L.S.Y.)
						CON	DITION							
	SPEED (KNTS)	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 · 47	40 - 55	≥34	*	MEAN WIND
	DIR.			/. 10		17 . 21	22 . 27	20 . 33	35	41 . 4/	46 · 33	236	_ ~	SPEED
	N		• 6	• 6	2.4	•6							4.1	12.9
	NNE	. 6	1.2	1.2	2.4	.6							5.9	10.6
i	HE			2.4	3.6	1.2							7.1	12.7
	ENE	1.2	. 6	3.0	1.8	.6							7.1	9.8
			1.8	3.0	.6								5.3	6.9
i	ESE		2.4	3.0	1.2	.6							7.1	9.2
ı	SE		3.0	10.7	8.3	.6							22.5	10.2
	\$5€	.6	• 6	2.4	4.1	1.2	1.2	•6					10.7	13.6
	8		• 6	4.1	4.1								8.9	10.4
	\$5W			•6		•6							1.2	14.0
	sw		• 6			.6							1.2	11.0
	WSW		1.2										1.2	4.0
į	W		1.2										1.2	4.0
	WNW		1.2	• 6									1.8	6.7
	NW	• 6		1.8	1.2	3.6	1.2						8.3	15.9
	NNW		• 6	• 6	1.2	1.8	1.2	1.2					6.5	18.7
	VAROL													
	CALM	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	><	$>\!\!<$	>>	$\geq \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	$\geq$	$\searrow$	>>		
		3.0	15.4	33.7	30.8	11.8	3.6	1.8					100.0	11.5

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DODO MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION STATION NAME

ALL WEATHER

GONDITION

CLASS

GONDITION

GONDITION

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6	•6	.6	1.2	1.2	.6						4.8	12.
NNE		1.2	1.2	1.8	• 6	• 6						5.4	12.
NE				5.4	1.8							7.2	14.
ENE			1.2	.6								1.8	11.
		2.4	3.0	2.4								7.8	8.0
ESE		2.4	4.2	1.2								7.8	8.
SE		4.2	8.4	8.4	.6	.6						22.2	10.
SSE	•6	2.4	2.4	1.2	3.6	2.4						12.6	13.
\$	.6		.6	2.4	1.2							4.8	12.
SSW	.6	1.2		1.2								3.0	8.
SW												1	
WSW	1.2	1.2										2.4	3.
w	.6	2.4	1.2									4.2	5.
WNW		.6	.6				1					1.2	8.
NW	•6		1.2	1.2		1,2			<del></del>			4.2	13.
NNW		1.8	1.2	3.0	3.6	1.2						10.8	14.
VARBL												T	1
CALM	$\supset \subset$	$\times$	$\times$	$\times$	$\times$	$\supset \subset$	$\boxtimes$	$\boxtimes$	$\supset$	$\supset <$	$\times$		
	4.8	20.4	25.7	29.9	12.6	6.6						100.0	11.

TOTAL NUMBER OF OBSERVATIONS 167

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#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS

TOTAL NUMBER OF OBSERVATIONS

SITE HI SOUTH TOWER

					ALL WE	ATHER				·····		0900 HOUR	-110 s (L.S.)
		<del></del>			CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 27	26 - 33	34 · 40	41 - 47	40 - 55	≥\$4	*	ME/ WIF SPE
N		• 6	1.8	1.8	•6	.6						5.4	13
NNE	1.2	• 6	1.2	3.6	•6							7.1	10
NE	• 6	1.2	1.2	1.8	• 6							5.4	10
ENE			2.4									2.4	9
E	• 6	•6	3.6	1.8								6.5	8
ESE		1.8	4.8	1.5	1.2							9.5	iu
SE	1.2	1.2	7.7	6.0	1.2	.6			L			17.9	10
388		1.2	1.2	4.8	.6	3.0						10.7	14
\$		2.4	2.4	1.2	1.2							7.1	10
SSW		.6	.6									1.2	8
SW		2.4	.6									3.0	5
WSW	2.4	1.8										4.2	3
<u> </u>	1.2	.6		<u> </u>				ļ				1.8	2
WNW	1,2	1.8	.6						<u> </u>			3.6	5
NW	۰6	•6	1.2	.6	.6	.6						4.2	11
NNW	.6	1.2		3.0	4.8	.6						10.1	15
VARBL												<u> </u>	<u> </u>
CALM	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$		
	9.5	18.5	29.2	26.2	11.3	5.4						100.0	10

HAUI OPTICAL SITE HI SOUTH TOWER

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#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

78-79

N .		STAT'O	N NAME					Y	EARS			M	ONTH
	_				ALL WE							1200	-140
					CL	.A58						HOUR	8 (L.S.
	_												
					CON	DITION							
	-												
SPEEL (KNTS DIR.	1 . 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEA WIN SPEI
N	1.2	1.2	1.7	2.9	1.2	.6	.6	<u> </u>	<del> </del>			9.2	12.
NNI		1	2.9	2.3	2.9	<del></del>			<del> </del>			8.1	13.
NE	1.2	.6	1.2	1.2	1.2				<b></b>			5.2	11.
ENE		1.7			•6			<u> </u>	<b> </b>	<b></b>		2.3	8
-		1.2	.6						<u> </u>			1.7	6
ESE	.6	1.7	3.5	2.3								8.1	8.
SE	1.7	2.9	4.6	5.8	4.0	j			1			19.1	10.
358		.6	2.9	2.9	1.7	1.2		1.2				11.6	14.
\$	1.2	2.9	1.7	1.7	1.2							8.7	8
55W	,	2.3	1.2	.6								4.0	7.
\$W	1.2	1.2	. 6									2.9	4,
WSV		1.2										1.7	3.
w	1.2	1.7		• 6								3.5	6,
WNV	v .6	1.7										2.3	4.
NW		.6	1.2	2.9								5.2	10.
HHV	. 6	• 6	1.7	1.2	1.7	.6						6.4	13.
VAR	4	Ļ	Ļ		Ļ	Ļ	Ļ,		<u></u>			<b></b>	
CAU	$\cdot > \!\!\!\!> \!\!\!\!>$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	11.6	22.0	23.7	24.3	14.5	2.3	.6	1.2				100.0	10.

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

DODD2	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	JUL
		ATHER	1500-1700 HOURS (L.S.Y.)
	CON	DITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 • 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6	1.7	1.7	2.9	1.2	•6						8.7	11.6
NNE		2.3	1.2	3.5	1.2							8.1	10.6
NE	.6	1.2	2.3	• 6	1.2							5.8	9.3
ENE	1.2	• 6	1.7		.6							4.0	7.4
ŧ	1.2	2.3	1.7									5.2	5.4
ESE	.6	2.9	1.7	• 6								5.8	6.9
SE	1.2	1.2	3.5	3.5	4.0	1.2						14.5	13.2
\$\$E	.6	1.2	4.0	5.2			• 6					11.6	10.6
\$	.6	2.9	2.3	.6			1.2					7.5	10.5
SSW	.6	1.2	•6	.6	.6		1					3.5	8.7
SW	.6		.6			1						1.2	4.5
WSW	1.2	1.2	1.2								1	3.5	4.5
w	1.2	2.3	.6				T		1			4.0	4.7
WNW		.6					T					.6	4.0
NW		1.2		2.3	1.2	.6						5.2	14.0
NNW	.6		1.7	4.6	3.5	.6			1			11.0	14.5
VARBL													
CALM	>>	$\times$	$\times$	$\times$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$	><		
	10.4	22.5	24.9	24.3	13.3	2.9	1.7					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 173

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0002	MAUI OPTICAL	SITE HI	SOUTH	TOWER	78-79		JUL
STATION		STATION NAME				YEARS	MONTH
				ALL WE	ATHER		1800-2000
	<del></del> -			CI	.A95		HOURS (L.S.T.)
			····	CON	DITION		

SPEED (KNTS) DIR	1 - 3	4+6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$6	*	MEAN WIND SPEED
N	• 6	1.2	1.2	2.9	1.2							7.0	11.4
NNE	1.2	1.2	• 6	2.9	1.2							7.0	10.0
NE	1.2	1.7	2.9	2.9	1.7	•6						11.0	12.2
ENE		2.3	1.2	1.2						1		4.7	8.1
ŧ		1.7	2.3	.6								4.7	8.3
ESE		•6	1.7	2.3								4.7	10.5
SE	• 6	4.1	4.7	7.0	1.2							17.4	10.4
SSE	,6	2.3	1.7	5.8	.6	1.2						12.2	11.6
\$	• 6	1.7	4.1	1.7	.6							8.7	8.9
SSW	.6	1.7										2.3	4.8
\$W		1.2										1.2	6.0
WSW		• 6		.6								1.2	8.5
w	•6	• 6										1.2	4.0
WNW		1,2	1.2									2.3	6.8
NW	1.2	• 6	.6	.6			-					2.9	5.8
NNW		• 6	1.7	2.9	2.9	2.3	1.2					11.6	17.7
VARM									1				7.4.
CALM		>>	$\supset \subset$	$\supset <$	$\times$	$\times$	> <	$\supset \subset$	$\supset \subset$	$\supset \subset$	> <		
	7.0	23.3	23.8	31.4	9.3	4.1	1.2					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	JUL
SYATION	STATION NAME	YEARS	MONTH
	ALL WEA	THER	2100-2300
	GL/	198	HOURS (L.S.T.)
	* ***		
	COND	ITION	

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥\$4	*	MEAN WIND SPEED
N	•6	• 6	.6	1.2	•6							3.5	10.5
NNE		1.2	• 6	6.4	1.2							9.4	13.3
NE	• 6	2.9	1.8	2.3	2.9							10.5	10.8
ENE		. 6	3.5	2.3								6.4	9.2
E			• 6	1.8								2.3	12.5
ESE		• 6	7.0	.6								8.2	8.9
SE	,,6	4.7	5.4	12.9		1.2						25.7	10.5
358		1.2	2.9	4.7	•6	• 6						9.9	12.5
\$			1.8	2.9		. 6		• 6				5.8	14.5
ssw		1.2										1.2	5.0
SW	.0		• 6									1.2	5.0
WSW													
w		• 6										•6	4.0
WNW		• 6										• 6	6.0
NW		1.2	1.8		1.2							4.1	10.3
NHW		1.2	1.2	3.5	2.3	1.8	.6					10.5	15.3
VARBL													
CALM	$\geq$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$>\!\!<$	$\times$	$\ge $	$\boxtimes$	$\geq \leq$	$\geq \leq$		
	2.3	16.4	28.7	38.6	8.8	4.1	. 6	6				100.0	11.4

TOTAL NUMBER OF DESERVATIONS 171

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	JUL.							
	ALL WE	EATHER	ALL HOURS (L.S.T.)							
	CONDITION									

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥34	*	MEAN WIND SPEED
N	• 5	1.0	1.0	1.9	1.0	. 6	. 1					6.2	12.6
NNE	• 4	1.2	1.3	3.3	1.0	• 1						7.3	11.5
NE	• 5	1.3	1.7	2.6	1.5	• 1						7.7	11.6
ENE	• 3	. 9	1.9	. 8	• 3							4.2	9.0
ŧ	•2	1.6	2.1	. 9								4.8	7.7
EŞE	•2	1.8	3.6	1.3	• 2				l			7.1	8.6
SE	.7	2.9	6.8	7.3	1.7	. 4						19.9	10.7
356	. 4	1.3	2.6	4.7	1.3	1.3	• 1	•1				11.9	12.9
\$	. 4	1.6	2.4	2.1	. 6	• 1	• 1	.1				7.4	10.3
SSW	• 2	1.2	4	. 4	• 1							2.3	7.7
SW	. 4	. 8	• 3		,1_							1.5	5.4
WSW	.7	1.0	.1	•1								1.9	4.3
w	• 6	1.3	• 2	• 1								2.1	4.8
WNW	. 2	1.0	4		_ • 1							1.8	6.4
NW	.4	• 5	1.2	1.2	1.0	• 5	•1	•1				4.9	13.1
HWW	• 3	• 7	1.1	2.7	2.8	1.0	. 4					9.1	15.5
VARBL													
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	>>	$>\!\!<$	>>	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\boxtimes$		
	6.5	20.0	27.3	29.3	11.7	4.1	, 8	.3				100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

1359

USAFETAC FORM (0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HAUI	OPTICA	L SITE	HI S	OUTH T	OWER	78-	79						UG
		STATIO	N NAME					Y	EARS				ONTH
					ALL WE								-0200
					GL	ASS						HOUR	5 {L.S.T.}
							·						
					CON	DITION							
	•			<del>,</del>						<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 · 55	≥ 56	*	MEAN WIND SPEED
N		2.3										2.3	5.3
NHE		.6	1.2									1.7	7.0
NE	•6	2.3	2.3	.6		•6						6.4	8.5
ENE	•6	4.0	2.9	9.2	2.3	1.7						20.8	12.0
ŧ	.6	3.5	5.2	4.6	•6							14.5	8.8
ESE	1.7	3.5	6.4	4.0	.6							16.2	8.6
SE	1.7	2.9	2.9	4.0	1.7							13.3	10.3
358	1.7	1.7	1.7	1.2	1.2	1.2						8.7	10.1
•	1.7	• 6	1.7		.6							4.6	7.4
SSW	1.7		1.7									3.5	5.2
SW	.6	1.2	2.3									4.0	6.3
WSW													
w	1.7			1.7	1							3.5	7.5
WNW	• 5					1						•6	2.0
NW													
NNW													
VARBL	ì		l										
CALM	$\boxtimes$	$\geq$	$\geq <$	$\geq$	$\geq$	$\supset <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	><		
	13.3	22.5	28.3	25.4	6.9	3.5						100.0	9.2

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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173

TOTAL NUMBER OF OSSERVATIONS

1

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HE SOUTH TOWER	78-79	AUG									
STATION	STATION NAME	YEARS	MONTH									
	ALL WEATHER											
GLASS.												

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	•6	.6									1.7	5.0
NNE	1.1	1.7	1.1	1.7								5.7	7.6
NE	.6	.6	2.9	1.1								5 • 2	7.8
ENE	.6	2.9	6.9	4.0	2.3	1.7						18.4	11.7
ŧ	.6	1.1	7.5	2.9	1.1							13.2	9.5
ESE	1.7	• 6	4.0	3.4								9.8	9.2
SE	1.7	5.2	5.2	5.7	1.1							19.0	9.3
358	.6	.6	1.7	.6	1.7							5.2	11.6
S	1.1	1.7	2.3									5.2	5.8
SSW	1.1	1.1	1.7				ļ					4.0	5.1
SW	•6		• 6	1.1					I			2.3	10.3
WSW	3.4											3.4	2.2
w	1.7	. 6		1.1								3.4	5.5
WNW				.6								• 6	12.0
NW			i										
NNW	1.7	• 6	1	. 6								2.9	5.0
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\geq$	$\geq$	$\boxtimes$	$\geq$	$\geq$		
	17.2	17.7	34.5	23.0	6.3	1.7						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $_{\rm AR...64}^{\rm FOAM}$  0-8-5 (OL-A) parvious editions of this form are obsolete

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#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

								•					UNIO
	ALL WEATHER												-080
					CL	ASU						HOUR	IS {L.S.T.
					CON	DITION							
				<del> </del>									
SPEED (KNTS) 1 - DIR.	3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEA! WIN! SPEE!
N		•6		1.1					i			1.7	9.
NNE		1.1	•6		•6							2.3	8.
NE		2.3	2.3	•6		• 6						6.3	8.
ENE		1.7	5.7	8.6	1.7		• 6					19.0	11.
	.6	1.7	8.6	6.9	•6							18.4	9.
ese 3		4.0	2.3	4.6	2.3							16.7	9.
SE 1	.7	2.9	1.1	1.7	2.3	• 6						10.3	10.
SSE 1	•1	•6		1.1	•6				l			3.4	9.
\$ 2	• 3	1.1		• 6								4.0	5.
ssw 2	. 3											2.3	2.
sw 1	.1	1.7										2.9	4.
wsw 2	• 3		• 6	1.7								4.6	7.
	•1	• 6	• 6									2.3	5.
wnw 2	.9	1.7		•6								5.2	4.
NW	.6											• 6	2.
NHW													
VARBL													
CALM	$\bigcirc$	$\times$	><	$\times$	$\times$	$\times$	$\times$	$\times$	><	><	><		
20	.7 2	0.1	21.8	27.6	8.0	1.1	•6					100.0	8.

MAUI OPTICAL SITE HI SOUTH TOWER

2.9

NW NW NNW VARBL CALM

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#### SURFACE WINDS

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# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

78-79

YEARS

	•			··	ALL WE	ATHER				<del></del>		***************************************	1-1100 15 (L.S.T.)
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2		• 6		•6							2.3	7.5
NNE	.6	• 6	1.7	• 6								3.5	7.0
NE	•6	4.1	1.7	1.2								7.6	6.5
ENE	•6	1.7	5.8	5.8	2.3		1.2	•6				18.0	13.1
E	1.2	2.3	3.5	5.2	2.9	.6						15.7	11.3
ESE	•6	1.2	• 6	2.3	1.2	.6						6.4	12.5
SE	1.2	2.9	• 6	2.9	1.7	2.9						12.2	13.1
SSE	•6	2.3	.6	1.2								4.7	7.3
\$	.6	1.2	1.7	1.2	•6							5.2	9.1
SSW	2.3	4.1		.6								7.0	4.5
sw	1.7	1.2										2.9	3,8
wsw	• 6	1.2	1.2	.6								3.5	6.2
	1			4		1	1	I	1		I	7 -	- 7

TOTAL NUMBER OF OBSERVATIONS 172

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#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	-				ALL WE	ATHER	<del> </del>		<del></del>	<del></del>			-1400
	_				CON	DITION				<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAI WINI SPEEI
N		1.7	• 6		<del>                                     </del>	1				<u> </u>		2.3	5.
NNE		2.3		• 6								2.9	6.
NE	•6	1.7	3.4	1.1			•6					7.4	9.
ENE	1.7	2.9	4.6	4.0	2.3	• 6						16.0	10
ŧ	1.1	1.1	5.7	2.3	2.3							12.6	10
ESE	•6		1.1	4.0	1.1	• 6						7.4	13
SE	•6	2.3	• 6	1.1	1.1	1.1						6.9	11
SSE	1.7	4.0	1.1	1.1		• 6						8.6	7.
\$	•6	2.9	2.9	2.3		.6						9.1	9
SSW	1.1	2.3	1.1	1.1					<u> </u>			5.7	6.
sw	1.1	1.1	.6							<u> </u>		2.9	4,
WSW	2.3	1.1	1.7	<u> </u>								5.1	4.
w	2.9	1.7	1.1	.6								6.3	4,
WHW	1.7	1.1	• 6	ļ			ļ			<u> </u>		3.4	4.
NW	• 6	• 6	•6	.6								2.3	7.
		1			1					ł		11 4 4	1 7

TOTAL NUMBER OF OBSERVATIONS 175

100.0

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (GL-A) PREVIOUS EDITIONS OF THIS FORM AP2 OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICA			OUTH T	OWER	78-	79						UG
STATION			STATIO	NAME					Y	EARS				ONTH
		_				ALL WE							1500	-1700
						Cı	.A55						HOUR	\$ (L.S.T.)
		_												
						CON	DITION							
		_												
		,			·									
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	DIR.													
	N N	•6	2.4	1.2									4.1	5.6
	NNE		1.2	.6						L			1.8	5.3
	NE		2.4	4.7	1.2								8.3	8.4
	ENE	1.2	4.1	6.5	1.8		1.2	• 6					15.4	10.2
	ŧ	1.2	3.0	3.0	1.8	1.2	1.2						11.2	10.3
	ESE	• 6	1.8	2.4	3.6	1.2		. 6					10.1	11.7
	SE	•6	1.8	2.4	.6	1.2	1.2						7.7	11.8
	SSE		• 6	.6	3.0		• 6						4.7	12.9
	S	•6	4.1	1.2	• 6	1.2	•6						8.3	8.7
	SSW	2.4	4.1	1.8	.6								8.9	5.9
	SW	2.4	3.0		.6								5.9	5.0
	WSW		3.0		.6	•6							4.1	7.7
	w		1.2	.6	1.2								3.0	8.2
	WNW	.5	3.0										3.6	4.5
	NW	•6	1.2							1			1.8	4.3
	NNW	1.2	<del></del>										1.2	3.0
	YARBL			<del>                                     </del>		<del> </del>								
	<del></del>				$\overline{}$					$\overline{}$				

TOTAL NUMBER OF OBSERVATIONS 169

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

171

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

	-		<u> </u>	<u></u>	ALL WE	ATHER							-2000
	-			· · · · · · · · · · · · · · · · · · ·	CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	*	MEAN WIND SPEED
N		• 6	1.2						<b> </b>			1.8	7.3
NNE	1.8	1.8	1.8	.6								5.8	5.7
NE	• 6	1.2	5.8	1.2	•6				1			9.4	9.0
ENE	1.2	2.9	7.0	7.0	1.8	•6	1.2					21.6	11.8
E		1.2	2.9	3.5	1.2				<del> </del>	1		8.8	10.8
ESE	• 6	2.9	3.5	3.5	.6	• 6						11.7	10.4
SE	1.2	2.3	4.1	1.8	1.8	1.2			1			12.3	11.4
SSE	1.2	1	2.3	1.8								5.3	8.8
\$	1.2	.6	1.8	.6	.6	1.2						5.8	10.9
SSW	• 6	2.3			• 6							3.5	6.2
SW	1.8	2.3	1.2	• 6								5.8	5.4
wsw	1.2		1.2									2.3	4.5
w	1.8		1.2	.6	L							3.5	5.2
WNW	.6								L			.6	2.0
NW	• 6	• 6										1.2	4.0
NNW		.6					<u> </u>			<u> </u>		• 6	5.0
VARBL	L		<u> </u>		<u> </u>					<u> </u>		1	<u> </u>
CALM								· >< -				1	

JSAFETAC NAME 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

14.0 19.3

VARBL

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL			OUTH T	OWER	78-	79						UG
STATION			STATION	NAME					Y	KARS				ONTH
						ALL WE	ATHER						2100	-2300
		-				CL	.A88						HOUR	8 (L.S.T.)
						CON	DITION							
	····		<del></del> ,		,					·	,		<del></del>	
	SPEED	1 1										<b></b>	] .	MEAN
	(KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND
		<del>                                     </del>								<del> </del>				
	N	1.2	1.2							<u> </u>			2.3	4.3
	NNE	<del>  </del>	•6	1.8	•6	<u> </u>				ļ			2.9	8.4
	NE	<b> </b>	2.3	1.8	.6	1.8	ļ			ļ			6.4	10.5
	ENE		2.9	4.7	9.9	1.8	1.8	•6			L		21.6	13.2
	ŧ	.6	2.3	3.5	7.D								13.5	9.6
	ESE		1.8	4.1	5.3	2.9	• 6						14.6	12.5
	SE	•6	1.8	4.1	1.8	2.3	1.2						11.7	12.1
Ï	SSE	1.2	1.2	1.8	3.5	•6	.6						8.8	11.1
	s	.6	• 6	1.8		1.2							4.1	9.3
	SSW	1.2	1.8	.6					<del></del>				3.5	4.3
	sw	1.8	1.8	1.2			1				1		4.7	4.6
	wsw	- 6											.6	1.0
	w	1	.6	.6	1.8								2.9	10.4
	WNW	1.2					<del>                                     </del>		i ———	<del>                                     </del>			1.2	2.0
	NW	.6						<del></del>		<del> </del>	1		.6	2.0
	1000	#		<del></del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del></del>	<del> </del>	1		4	7 0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC  $\frac{\text{FORM}}{\text{JUL-64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

90002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	AUG MONTH
		EATHER	ALL HOURS (L.S.T.)
	COP	NOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	. 4	1.2	• 5	•1	•1							2.3	6.
NNE	. 4	1.2	1.1	• 5	• 1							3.3	7.
NE	• 4	2.1	3.1	• 9	• 3	• 1	• 1					7.1	8.
ENE	. 8	2.9	5.5	6.3	1.8	.9	• 5	•1				18.9	11.
E	• 7	2.0	5.0	4.3	1.2	• 2						13.5	10.
ESE	1.2	2.0	3.0	3.8	1.2	• 3	•1					11.6	10.
SE	1.2	2.8	2.6	2.5	1.7	1.0						11.7	11.
SSE	1.0	1.4	1.2	1.7	• 5	. 4						6.2	9.
\$	1.1	1.6	1.7	.7	• 5	• 3						5.8	8.
SSW	1.6	2.0	. 9	• 3	• 1							4.8	5.
5W	1.4	1.5	.7	• 3								3.9	5.
wsw	1.3	• 7	• 6	. 4	•1							3.0	5.
w	1.3	• 7	• 6	. 9						1		3.6	6.
WNW	1.3	• 8	• 2	• 1								2.5	4.
NW	• 5	• 3	•1	• 1								.9	4.
NNW	. 4	. 4	•1	• 1							<del></del>	1.0	4.
VARBL										1		1	
CALM		$\supset <$	$\supset <$	> <	$\supset <$	> <	> <	> <	$\supset <$	$\sim$	>>		
	15.1	23.5	26.9	23.0	7.5	3.3	.7	•1	3	·		100.0	9.

TOTAL NUMBER OF OBSERVATIONS

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

					ALL WE	ATHER							-0200
					•							HOUR	:5 (4.5.7.)
	_	<del></del> .			CON	DITION		<del></del>					
										<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6	• 6										1.2	3.5
NNE		•6	3.0	1.8	•6							6.0	11.0
NE	•6	•6	3.0	6.6	5.4	.6						16.9	13.9
ENE	•6	3.0	6.6	13.9	10.2	2.4						36.7	14.1
ŧ		• 6	4.2	8.4	6.6	.6						20.5	14.1
ESE			3.0	3.0	•6							6.6	11.6
SE	.6	•6	1.2	1.2	•6	.6						4.8	11.8
SSE													
\$	• 6	•6										1.2	4.5
SSW		• 6	1.2									1.8	6.7
sw	•6					1						• 6	1.0
wsw	•6		• 6									1.2	4.5
W													
WNW	•6											• 6	3.0
NW		• 6										.6	5.0
NNW	1.2											1.2	2.0

TOTAL NUMBER OF OBSERVATIONS 166

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

UDD02	MAUI OPTICAL SITE HT SOUTH TO	OWER 78-79	YEARS	SEP MONTH				
SIAIION	TATION NAME		TEARP	MONTH				
	0300-0500							
		CLASS		HOURS (L.S.T.)				
·								
		CONDITION						

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N			1.2	•6			,					1.8	3.7
NNE		1.8	2.4	• 6	1.2							6.0	10.5
NE		• 6	4.2	7.1	4.8	• 6						17.3	13.4
ENE		4.8	9.5	19.7	8.9							33.9	12.3
E		1.2	7.1	10.1	3.6							22.0	12.0
ESE	• 6	1.8	1.8	3.0	•6							7.7	9.8
SE		• 6		2.4								3.0	11.6
SSE		•6	1.2									1.8	6.3
\$		•6				_						•6	6.0
SSW	• 6	• 6										1.2	3.0
sw		1.2										1.2	4.5
WSW	•6											• 6	1.0
w		1.2										1.2	5.0
WNW			• 6									•6	10.0
NW		• 6	٠.٨									1.2	6.0
MMM													
VARBL													
CALM	$\times$	$\ge$	$\geq \leq$	$\geq$	$\geq$	$\times$	$\geq$	$\times$	$\geq$	$\geq$	$\geq$		
	1.8	15.5	28.6	34.5	19.0	.6						100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

168

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0002	IUAM	OPTICAL	L SITE	HI S	OUTH T	OWER	78-	79	·					EP
STATION			STATIO	NAME					٧	EARS				ONTH
						ALL WE							0600	-0800
						ÇI	.A55						HOUR	5 (L.S.T.)
						CON	DITION							
		_												
	SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND
1	DIR.								<u> </u>	İ				SPEED
Ī	М	.6	• 6	1.2									2.4	5.8
Ī	NNE	•6	1.2	3.6	3.6		.6						9.6	10.4
Ī	NE		2.4	4.2	5.4	4.8	1.2						18.1	13.1
Ţ	ENE		1.8	10.2	15.1	3.4	1.2						36.7	13.1
Ī			1.2	3.0	7.8	3.6	1.8						17.5	13.8
Ī	ESE			2.4	1.8	1.2							5.4	12.1
[	SE	•6	1.8	1.2	1.2								4.8	7.6
[	SSE	.6	.6										1.2	3.5
ſ	\$													
[	SSW	•6											.6	2.0
I	SW													
Ī	WSW	•6											.6	3.0
i	W	•6								}			.6	3.0
	WNW	1.2	• 6							Ϊ			1.8	3.3
1	NW													
Ī	NNW		• 6										• 6	3.0
i	VARM			T	<u> </u>									
	CALM													

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

100.0

#### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

UDUO2 MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION NAME
ALL WEATHER

CLASS

GRAND

OPTICAL SITE HI SOUTH TOWER 78-79

MONTH

MONTH

OPTICAL SITE HI SOUTH TOWER 78-79

MONTH

MONTH

MONTH

OPTICAL SITE HI SOUTH TOWER 78-79

MONTH

MONTH

OPTICAL SITE HI SOUTH TOWER 78-79

MONTH

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 · 40	41 - 47	49 - 55	≥54	*	MEAN WIND SPEED
И		1.8										1.8	5.3
NNE	• 6	• 6	1.8	4.2	1.8	1.2						10.2	13.4
NE		1.2	3.0	7.8	2.4	1.2						15.6	13.2
ENE		1.8	9.0	12.6	5.4	2.4	•6					31.7	13.6
ŧ	• 6	1.2	2.4	5.0	4.2	1.8						16.2	14.1
ESE		• 6	3.0	1.5	1.8							7.2	11.5
SE	• 6	• 6	1.8	•6								3.6	7.8
SSE	• 6	1.2										1.8	4.3
5	1.2	1.8										3.0	4.2
SSW	• 6											• 6	2.0
sw		• 6										• 6	5.0
WSW	•6											.6	3.0
W	1.2	• 6										1.8	3.3
WNW	•6	1.8										2.4	4.0
NW	1.2	1.8										3.0	3.8
NNW													
VARBL													
CALM	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\times$	$\geq$	$\boxtimes$	$\geq$	$\geq \leq$		
	7.8	15.6	21.0		15.6	6,6	.6					100.0	11.

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL			OUTH T	OWER	78-	79		EARS				EP
STATION			STATIO	N NAME	<del></del>		ATHER	·	····			1200	-1400 -(L.S.T.)	
						CON	DITION				_			
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	•6	1.2	1.8		•6							4.3	8.1
NNE	.6	1.2	2.4	4.9	1.2	•6						11.0	11.1
NE		2.4	9.1	3.7	3.0	.6						18.9	10.9
ENE		1.8	7.9	12.8	4.3	1.8						28.7	13.1
E		1.2	4.3	4.9	2.4							12.8	12.2
ESE			1.8	3.0								4.9	10.6
SE	• 6	.6	2.4	1.2								4.9	7.8
358		• 6	3.2									1.8	7.3
S		1.8										1.8	5.0
SSW													
SW		. 6										• 6	4.0
WSW	1.2	• 6										1.8	3.3
W	1.8	• 6										2.4	3.3
WNW	1.2	•6	• 6									2.4	4.5
NW		1.2	1.2				l					2.4	6.3
NNW	•6	• 6										1.2	4.B
VARBL													
CALM	$\boxtimes$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$		$\geq \leq$		
	6,7	15.2	32.9	30.5	11.6	3.0						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	SEP				
STATION	STATION NAME	YEARS	MONTH				
ALL WEATHER							
CLASS							

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		3.1	3.6	•6								7.2	7.7
NNE		3.0	3.6	6.0	3.6		_				<del></del>	16.3	12.1
NE		• 6	4.8	9.0	2.4	1.2						18.1	13.3
ENE	•6	1.2	9.6	14.5	2.4	• 6	• 6					29.5	12.1
ŧ		1.8	2.4	3.6	2.4	1.2						11.4	13.5
ESE	•6	• 6	1.8	1.8								4.8	8.8
SE	• 6		1.2									1.8	6.0
SSE		1.8	• 6									2.4	5.8
\$	1.8											1.8	2.3
SSW	, 6											• 6	3.0
sw			•6									• 6	7.0
WSW			• 6									.6	7.0
w	.6	•6										1.2	4.0
WNW	1.2	• 6										1.8	3.0
NW		• 6										. 6	5.0
NNW	•6			.6								1.2	7.0
VARBL													
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$		
	6.6	13.9	28.9	36.1	10.8	3.0	.6					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 166

USAFETAC  $_{\rm JUL~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICA	L SITE	HI S	OUTH T	OWER	78-	79						EP
STATION			STATIO	NAME					Y	EARS			м	ONTH
		_				ALL WE	ATHER						1800	-2000
		<del></del>				CL	.ASS						HOUR	s (L.S.T.)
		_				CON	DITION							
		-												
		,		,			·				<del></del>	,	<del>,</del>	<del></del>
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 35	≥54	%	MEAN WIND SPEED
	N		1.2	2.4	1.8								5.4	9.3
	NNE		• 6	1.8	7.8	3.0							13.3	13.3
	NE		1.2	4.2	9.0	6.0	3.0						23.5	14.8
	ENE	.6	• 6	5.4	16.9	6.6	3.6				1		33.7	14.9
	ŧ		• 6	1,8	2.4	3.6							8.4	13.4
	ESE	i	• 6	• 6	4.2	•6							6.0	12.2
	SE			• 6									.6	7.0
	358	1.2	• 6	. 6									2.4	5.0
	S		2.4										2.4	5.3
	354													
	w													
	WSW		• 6										.6	4.0
	w													
	WWW	• 6		• 6									1.2	5.0
	NW	.6	<u> </u>	• 6									1.2	4.0
	NNW			1.2									1.2	7.5
	VARBL				L									
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$			
										1		1		

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICAL	L SITE	HI S	OUTH T	OWER	78-	79						EP
STATION			STATIO	NAME.					Y	EARS			M	HTHO
						ALL WE	ATHER						2100	-2300
							ASS							18 (L.S.T.)
		_				CON	PITION							
		-								_				
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	•6	نهر د <del>رسید در در در در</del>							ļ			.6	3.0
	NNE		• 6	3.6	4.8	1.2	• 6						10.8	13.0
	NE	•6	2.4	2.4	9.0	6.0	1.2						21.7	13.4
	ENE	1.2	• 6	6.6	15.1	12.7	3.0	.6					39.2	14.7
	ŧ	• 6	1.8	• 6	3.6	6.0	2.4			J			15.1	15.7
	ESE			2.4	1.2								3.6	10.5
	SE	1.2		• 6	1.2								3,0	8.4
	SSE	• 6											.6	3.0
	S	•6											.6	3.0
	SSW		1.2	•6									1.8	6.3
	sw													
	WSW													
	w		. 6										.6	4.0
	WNW													<u> </u>
	NW			1.2									1.2	7.5
	NNW	•6	• 6										1.2	4.5
	VARBL													
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$		
		6.0	7.8	18.1	34.9	25.3	7.2	• 6					100.0	13.4

1.

#### SURFACE WINDS

SEP

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION			STATIO	NNAME					Y	EARS			м	ONTH
						ALL WE	ATHER						A	LL
		_				CI	LASS				<del></del>		HOUR	* (L.S.T.)
									·					
						CON	DITION							
		_			<del></del>	<del></del>				<del> </del>	<del></del>			
	SPEED (KNTS) DIR	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
	N	• 3	1.1	1.3	• 4	• 1							3.1	7.5
	NNE	• 2	1.2	2.8	4.2	1.6	. 4						10.4	12.0
	NE	• 2	1.4	4.4	7.2	4.4	1.2						18.7	13.3
	ENE	.4	2.0	8.1	13.9	7.3	1.9	• 2					33.8	13.5
	£	• 2	1.2	3.2	5.9	4.1	1.0						15.5	13.6
	ESE	•2	• 5	2.1	2.5	.6							5 • 8	10.9
	SE	.5	• 5	1.1	1.0	• 1	• 1						3.3	8.8
	358	. 4	.7	• 5									1.5	5.4
	5	. 5	• 9										1.4	4.3
	SSW	• 3	• 3	• 2									.8	4.7
	SW	• 1	• 3	• 1									• 5	4.3
	W\$W	• 5	• 2	•2									.8	3.7
	W	• 5	• 5										1.0	3.7
	WNW	.7	• 5	•2									1.4	4.2
	NW	• 2	•6	• 5									1.3	5.2
	MMM	.4	• 2	• 2	•1								.8	5.1
	VARBL													

TOTAL NUMBER OF OBSERVATIONS

1329

100.0

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0 <b>0002</b>	MAUI OPTI	CAL SITE HI	SOUTH TOWER	78-79		ост
STATION		STATION NAME			YEARS	MONTH
			ALL W	EATHER		0000-0200
				LASS		HOURS (L.S.T.)
			co	NDITION		
			co	NDITION		

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.2	1.7	1.7								5.6	8.4
NNE		2.8	1.7	1.1								5.6	7.7
NE		• 6	2.2	2.8	1.1	• 6						7.2	13.2
ENE	• 6	1.7	5.6	3,0	2.2							13.9	11.0
5		1.1	3.9	6.1	2.2	2.8	1.1					17.2	15.5
ESE		• 6	• 6	2.8	1.1	1.1	• 6					6.7	15.8
SE		• 6	3.3	• 6								4.4	8.4
SSE	•6	2.2	2.2	• 6								5.6	7.1
\$	•6	1.7	3.9	• 6								6.7	7.3
SSW		3.9	2.2	. 6								6.7	6.8
sw	•6	1.7	5.0	1.1								8.3	8.1
wsw	•6		• 6									1.1	4.5
₩													
WNW	•6	1.7	1.1									3.3	5.0
NW	•6	1.7	1.7									3.9	5.9
MNM		2 • 2	1.1	. 6								3.9	7.0
VARBL													
CALM	$\boxtimes$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\triangleright <$	$\geq \leq$		
	3.9	24.4	36.7	22.2	5.7	4.4	1.7					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 180

#### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE H		78-79	YEARS	OCT MONTH
		ALL WE	ATHER ASS		0300-0500 HOURS (L.S.T.)
		CONT	DITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.2	1.1	1.1								4.5	8.4
NNE	.6	1.1	3.4	1.1		.6						6.7	8.8
NE			5.1	2.2	1.1	.6						9.0	12.4
ENE		2.2	5.6	14.0	• 6	1.7						24.2	12.2
ŧ		1.1	1.7	1.1	2.2	2.2	_ • 6_					9.0	16.8
ESE			1.1		1.1	1.1	. 6					3.9	18.7
SE		• 6	.6	.6								1.7	8.7
SSE	•6	1.1	• 6	1.7								3.9	7.4
\$		2.8	.6	3.4								6.7	8.8
SSW	1.1	1.7	4.5	1.7								9.0	8.0
SW		2.2	2.8	1.7								6.7	8.3
wsw		1.1	1.7									2.8	7.4
w	•6	1.1	• 6	ĺ								2.2	5.0
WNW		• 6	.6									1.1	7.0
NW	.6			.6								1.1	6.0
HNW		1.7	3.4	1.7	.6							7.3	9.0
VARBL					<u> </u>								
CALM	><	$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq$	$\boxtimes$	$\geq$	$\geq \leq$		
	3.4	19.7	33.1	30.9	5.6	6.2	1.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 178

A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HI SO	OUTH TOWER	78-79		ост
STATION	STATION NAME			YEARS	MONTH
		ALL WEA	THER		<u> 1600-0800</u>
		CLA	155		HOURS (L.S.Y.)
	<del></del>	COND	ITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 6	1.1	1.1	•6								3.4	7.5
NNE		1.7	2.3	1.7	2.8							8.5	12.3
NE	• 6	1.1	2.8	3.4	•6	•6						9.0	11.2
ENE		2.3	3.4	9.6	1.1							16.4	11.1
E			2.8	3.4	2.8	1.1	•6	•6				11.3	16.1
ESE		• 6	2.3	2.8	•6	1.1	• 6		L_,			7.9	14.0
SE	1.1	• 6	1.7	•6								4.0	6.9
SSE	• 6	1.7	1.7	•6								4.5	6.3
s		1.1	2.3	2.3								5.6	9.3
SSW	1.1	• 6	3.4	3.4	• 6							9.0	9.3
sw	•6	1.7	2.8	1.7								6.8	8.3
WSW		1.1	• 6	• 6								2.3	7.5
w	1.1	1.1										2.3	4.3
WNW	1.7	• 6										2.3	3.6
NW	1.1	• 6	• 6	1.1								3.4	6.8
NNW	.6		1.1	1.7								3.4	9.8
VARBL													
CALM	$\supset \subset$	$\times$	> <	$\boxtimes$	$\geq$	$\times$	$\boxtimes$	$\geq \leq$	$\geq$	$\geq$	$\geq$		
	9.0	15.8	28.8	33.3	8.5	2.8	1.1	.6				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

177

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

a security considered control of

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	oct
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	0900-1100
	CL.	.A58	HOURS (L.S.T.)
	CONT	DITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 5	1.1	1.1	1.1	• 5							4.4	9.1
NNE		2.2	1.1	4.9	1.1							9.3	11.5
NE		1.6	4.9	2.2	1.1							9.9	10.1
ENE		3.8	2.7	4.9	• 5	• 5						12.6	10.2
E		1.6	2.2	1.1	1.6	2.2	2.2					11.0	17.9
ESE		• 5	2.2	2.2		1.1						6.0	12.5
SE	•5	2.2	1.6	. 5								4.9	6.4
SSE		3.3	1.1	1.1	• 5							6.0	7.9
\$	_ • 5	2.7	3.3	• 5	1.1							8.2	8.8
SSW	1.1	2.7	4.4	2.2								10.4	7.9
SW	1.1	• 5	2.2	1.1								4.9	7.4
WSW	• 5	1.1	1.6									3.3	6.2
W	1.1	1.1	• 5	• 5								3.3	5.8
WNW		1.6										1.6	5.3
NW		2.2								T		2.2	5.3
NNW		1.1	• 5									1.6	6.0
VARBL						1							
CALM	$\geq \leq$	$\times$	$\times$	$\geq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\boxtimes$	$\geq \leq$	$\geq$		
	5.5	29.7	29.7	22.5	6.6	3.8	2,2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

€

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	HAUT OPTICAL SITE HE SOUTH TOWE	R 78-79		OCT
STATION	STATION NAME		YEARS	MONTH
	ALL	WEATHER		1200-1400
		CLASS		HOURS (L.S.Y.)
	<u>-</u>			
	-	CONDITION		

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.6	3.3	• 5								5.4	7.5
NNE	• 5	3.8	2.2	2.7	•5							9.8	8.3
NE	.5	1.1	1.6	1.6	1.1							6.D	10.3
ENE		1.1	3.3	4.9		• 5						9.8	11.4
E	• 5	1.1	2.7	2.7	1.1	3.3						11.4	14.2
ESE		• 5	• 5	• 5	1.1	• 5	• 5					3.8	17.6
SE	1.1	• 5	1.6		• 5							3.8	7.4
SSE		• 5	2.2	• 5								3.3	9.2
\$	2.2	4.3	3.3	1.6								11.4	6.7
55W	1.1	2.7	3.8	2.2								9.8	8.4
SW	3.3	1.6	2.7	1.1								8.7	6.1
wsw	1.1	1.1	1.6	• 5		_						4.3	5.6
W	1.6	1.6	• 5									3.8	4.7
WNW		1.1	. 5									1.6	6.3
NW	1.6	1.6	• 5	• 5								4.3	5.3
NNW	• 5	1.6	• 5									2.7	5.2
VARBL													
CALM		$\geq <$	><	$\triangleright <$	$\geq \leq$	><	$\geq \leq$		$\supset <$	$\geq \leq$	$\geq \leq$	-	
	14.1	26.1	31.0	19.6	4,3	4.3	• 5					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Q0002	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	OCT MONTH
	ALL WE	ATHER	1500-1700 HOURS (L.S.T.)
		DITION	HOURS (E.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		2.2	2.7	1.1								6.0	8.3
NNE	1.1	2.2	2.2	2.2	2.2							9.8	10.4
NE	1.6	1.6	1.6	5.4	• 5							10.9	9.7
ENE		3.3	4.3	2.2	•5							10.3	9.2
Ę	• 5	1.1	2.2	3.8	2.2	2.7	1.1					13.6	15.8
ESE	.5	1.6			• 5		• 5					3.3	11.5
SE	•5	2.2	1.6	• 5								4.9	6.3
SSE	•5	2.7	1.6	• 5								5.4	6.4
\$	.5	2.2	1.6									4.3	6.0
SSW	2.2	1.1	3.8	3.3								10.3	8.4
SW	. 5	2.2	• 5	2.2								5.4	7.8
WSW	1.6	1.6	1.1									4.3	4.5
w	•5	2.2	1.1									3.8	5.9
WNW		2.7	1.1									3.8	5.3
NW	•5	1.6						[				2.2	4.3
NNW	1.1		• 5									1.6	5.3
VARSL													
CALM	$\supset <$	$\times$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\supset \subset$	$\supset \subset$	$\boxtimes$	$\geq$	$\geq$			
	12.0	30.4	26.1	21.2	6.0	2.7	1.6					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 184

#### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ODD MAUI OPTICAL SITE HI SOUTH TOWER 78-79

STATION NAME YEARS MONTH

ALL WEATHER 1800-2000

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•5	1.6	1.6	•5	• 5							4.9	8.9
NNE			• 5	4.9	• 5							6.0	13.5
NE		• 5	2.7	4.9	1.1							9.3	12.1
ENE	•5	1.1	3.3	6.6	4.9							16.5	13.1
E	• 5	2.2	1.1	3.8	2.2	2.2	1.6	1.1		1		14.8	17.1
ESE	1.6		• 5	2.7	1.1	• 5						6.6	11.9
SE	•5		1.1		• 5							2.2	9.3
SSE	• 5		• 5									1.1	5.0
\$	1.6	2.2	2.2	• 5								6.6	5.8
SSW	• 5	2.7	1.6	1.6								6.6	7.2
sw	1.6	3.8	1.6	1.1								8.2	6.4
wsw		1.6		1.1								2.7	8.6
w	2.7	1.1										3.8	3.1
WNW	2.7							Ī				2.7	2.4
NW	• 5	• 5	2.2									3.3	6.0
NNW		1.1	2.7	• 5								4.4	8.1
VARBL													
CALM	$\geq$	> <	$\geq$	$\geq$	$\geq <$	$\mathbb{X}$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	14.3	18.7	22.0	28.6	11.7	2.7	1.6	1.1				100.0	10.5

TOTAL NUMBER OF OBSERVATIONS _______182

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COOD2	MAUI	OPTICAL	SITE		SOUTH	TOWER	78-	79		EARS				CT
						ALL WE	ATHER						2100	
							.A55							S (L S.T.
						CON	DITION							
						<del></del>								
_														
	SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAI WINI SPEEI
Ì	N		1.7	5.5	1.1	+				<u> </u>			7.7	8.

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		1.7	5.0	1.1								7.7	8.1
NNE			4.4	2.2								6.6	10.1
NE	.6		3.3	2.2	1.7							7.7	11.6
ENE		1.1	5.0	6.6	3.3	• 6						16.6	12.6
ŧ	1.7	• 6	1.1	6.1	3.3	4.4	•6	.6				18.2	16.4
ESE			•6	3.9	•6		1.1					6.1	17.8
SE		1.1	2.2	• 6								3.9	7.3
SSE	1.1	1.1	1.7	.6								4.4	6.8
\$		3.3	2.8	•6								6.6	7.4
SSW	2.8		2.8	•6								6.1	6.1
sw	1.1	3.3	1.1	1.1								6.6	6.1
W\$W	•6	• 6	1.7	1.1								3.9	8.3
w		•6										• 6	4.0
WNW	1.1	1.1	•6									2.8	4.8
NW			• 6							1		•6	7.0
NNW		• 6	•6	.6								1.7	8.0
VARBL													
CALM	$\times$	$\geq$	$\geq \leq$	$\geq$	$\times$	$\geq \leq$	$\boxtimes$	$\times$	$\geq$	$\boxtimes$	$\geq$		
	8.8	14.9	33.1	27.1	8.8	<b>5.</b> 0	1.7	.6				100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BDDD2	MAUI OPTICAL SITE HI SOUTH TOWER	78-79	OCT MONTH
		ATHER	ALL HOURS (L.S.T.)
		DITION	HOURS (E.S. (.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.7	2.2	1.0	• 1							5.2	8.3
NNE	• 3	1.7	2.2	2.6	• 9	• 1						7.8	10.4
NE	. 4	• 8	3.0	3.1	1.0	• 2						8.6	11.2
ENE	• 1	2.1	4.1	6.6	1.7	• 4						15.0	11.5
ŧ	. 4	1.1	2.2	3.5	2.2	2.6	1.0	• 3				13.3	16.2
ESE	. 3	• 5	1.0	1.9	. 8	• 7	• 5					5 • 5	14.8
SE	• 5	1.0	1.7	. 4	• 1							3.7	7.3
SSE	• 5	1.6	1.5	.7	• 1							4.3	7.1
5	•7	2.6	2.5	1.2	• 1				<u> </u>	<u></u>		7.0	7.5
SSW	1.2	1.9	3.3	1.9	• 1							8.5	7.9
<b>∍</b> #	1.1	2.1	2.3	1.4								7.0	7.3
WSW	.6	1.0	1.1	. 4								3.1	6.7
w	1.0	1.1	• 3	• 1						<u> </u>	<u> </u>	2.5	4.8
WNW	. 8	1.2	• 5									2.4	4.8
NW	•6	1.0	.7	• 3					<u></u>	<u> </u>	L	2.6	5.7
NNW	,3	1.0	1.3	• 6	• 1				<u> </u>	<u> </u>	<u> </u>	3.3	7.8
VARBL									<u> </u>				
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	8.9	22.5	30.0	25.6	7.2	4 • O	1.5	.3				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COOD2	MAUI OPTICAL SITE HI SOUTH TO	OWER 78-79	YEARS	NOV MONTH
		ALL WEATHER		0000-0200 Hours (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.8	2.4	3.0									7.2	6.5
NNE	2.4	1.8	1.2	. 6								6.D	5.0
NE	1.2	1.2	1.2	3.6	1.8							9.0	10.8
ENE		1.2	1.8	3.0	1.2	1.2						8.4	13.1
E		1.8	3.0	7.2	3.0	1.8						16.9	13.8
ESE		1.2	2.4	3.0	1.8	1.2						9.6	13.3
SE	• 6	• 6		1.2								2.4	8.0
SSE	1.2	• 6										1.8	2.3
\$			• 6	• 6								1.2	10.5
SSW		1.8	• 6	.6	1.8	1.2	•6					6.6	16.5
sw		1.2	3.6	1.2	• 6							5.6	9.9
wsw		1.2	1.2	1.2	1.2	.6	• 6					6.0	14.2
w		• 6	1.2	3.0	1.2							6.0	12.1
WNW	1.2	2.4	• 6		.6					l		4.8	5.9
NW	. 5	3.6										4.2	4.7
NHW	1.8	1.2										3.0	3.0
VARBL													
CALM	$\geq \leq$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$	$\geq$	$\geq \leq$		
	10.8	22.9	20.5	25.3	13.3	6.0	1.2					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 166

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI	OPTICA	L SITE	HI S	OUTH T	OWER	78-	79		EARS				OV
STATION			<b>312110</b>	NAME			A TUE 0		•					
		_				ALL WE	AIRER							-0500
													HOUR	- (2.5.1.)
						CON	DITION			<del></del>				
		_					<del></del>				<del></del>			
	SPEED									T				MEAN
	(KNTS)	1 - 3	4 - 6	7 - 10	11 - 10	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND
	DIR.	l		[ ]										SPEED
	×	• 6		• 6	2.4								3.6	11.5
	NNE	•6	1.8	3.0				<u></u>			<u> </u>		5.5	6.9
İ	NE	• 6	• 6	1.8	3.0		• 6						6.7	11.5
	ENE		• 6	5.5	3.0	2.4	• 6						12.1	12.6
	Ę	•6	1.2	4.2	5.5	2.4							13.9	11.4
:	ESE	1.8	1.2	3.0	4.2	• 6	1.2						12.1	11.5
	SE		• 6	.6	2.4		• 6						4.2	11.9
	SSE	•6		.6			1.2						2.4	14.0
	\$						1.2						1.2	26.5
	SSW			2.4	1.8			1.2					5.5	14.8
	SW	1.2		2.4	1.8	• 6							6.1	10.0
	wsw	• 6	• 6		1.2	•6							3.0	10.4
	W	1.8	• 6	5.5	3.6								11.5	8.9
	WNW	•6	2.4	2.4	1.2		•6						7.3	9.3
	NW		• 6	. 6	1.2								2.4	9.0
	NNW		1.2	.6	.6			<u></u>	<u> </u>	<u> </u>			2.4	7.8
	VARBL													
	CALM		$\supset <$	$\supset <$	><	><	$\triangleright <$	><	$\geq \leq$	$\geq \leq$				
													100.0	

TOTAL NUMBER OF OBSERVATIC.40

VARSL

U0002

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAUI OPTICAL SITE HI SOUTH TOWER 78-79

	_				ALL WE	ATHER							-0800 s (L.S.T.
	-				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WING SPERG
N	1.2	1.2	1.2	1.2		•6	<del> </del>			<del>                                     </del>		5.5	8.
NNE		• 6	1.2	• 6	.6							3.0	11.
NE		1.8	• 6	3.0	•6							6.1	10.
ENE		3.0	2.4	6.7	1.8							14.0	11.
E	•6	3.0	4.3	1.2	•6	• 6	• 6					11.0	10.
ESE	.6	2.4	1.8	3.7	2.4	• 6						11.6	12.
SE	1.2	• 6	1.2	1.2	2.4	1.8						8 • 5	14.
358			.6		I							•6	7.
S	.6	1.2	2.4	.6	•6		1.2					6.7	12.
SSW			1.2									1.2	7.
sw	•6		1.2	3.0								4.9	10.
WSW	•6	• 6	•6	2.4		L						4.3	9.
W		1.2	3.0	3.0					L			7.3	9.
WNW	2.4	1.2	• 6	2.4					<u> </u>			6.7	7.
NW	•6	2.4	• 6	.6		1	1		ļ	1		4.3	6.

The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa

TOTAL NUMBER OF OBSERVATIONS 164

100.0

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

OPTICAL SITE HI SOUTH TO	WER 78-79	NOV
STATION NAME	YEARS	HTMOM
A	LL WEATHER	0900-1100
	CLASS	HOURS (L.S.T.)
	CONDITION	<del></del>
	STATION NAME	STATION NAME YEARS ALL WEATHER CLASS

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.2	3.0	1.8									6.0	5.2
NNE	• 6	2.4	• 6		•6							4.2	6.9
NE	1.2	• 6			. 6							2.4	7.0
ENE	1.2	1.2	1.8	1.2	3.0							8.4	11.3
E		1.8	4.2	7.2	•6		• 6					14.5	12.3
ESE		1.8	1.8	3.6	1.8							9.0	12.0
SE		1.8	•6	1.8	1.2	• 6	1.2					7.2	15.2
SSE		1.2	3.0									4.2	8.3
S		1.2	1.2				• 6					3.0	10.6
SSW	•6	2.4	1.2				1.2					5.4	11.6
SW	.6	1.2	1.2	3.0								6.0	9.6
WSW	•6	1.8	3.0	• 6	1.8			T				7.8	10.1
W	1.2	2.4	1.8	2.4								7.8	7.8
WNW	1.8	•6										2.4	3.0
NW	1.8	2.4	.6	• 6						1		5.4	5.3
NNW	3.0	1.8	•6		•6							6.0	5.0
VARSL					1								
CALM		$\geq <$	$\geq <$	$\geq$	$\geq$	> <	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$		
	13.9	27,7	23.5	20.5	10.2	.6	3.6					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUL OPTICAL SITE HE SOUTH T	OWER 78-79	NOV
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
	<del></del>	CLASS	HOURS (L.S.T.)
			_
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.2		•6								3.0	5.4
NNE	•6		•6	• 6								1.8	8.0
NE	.6	.6	•6	1.8	1.2	•6						5.4	13.0
ENE	•6	1.8	3.0	2.4		•6						8.4	9.7
ŧ		1.8	2.4	4.2	1.2	• 6						10.2	12.2
ESE	2.4	1.8	• 6	3.0	1.8							9.6	9.7
SE			1.2	3.6	1.2		• 6					6.6	14.9
SSE	•6	1.2	• 6	1.8	• 6	1.2	• 6					6.6	14.3
\$		1.2	1.8	• 6								3.6	8.3
SSW	2.4	1.8	• 6	• 6		1.2						6.6	8.9
SW	. 6	2.4	.6	1.2	1.8				I			6.6	9.9
wsw	.6	1.8	1.8	3.6		1.2				I		9.0	11.9
W	1.8	4.2	3.6	1.2								10.8	7.2
WNW	1.8	3.6	• 6	• 6								6.6	5.2
NW	.6	1.2	1.2									3.0	5.2
NNW	1.2	.6	• 6									2.4	4.5
VARBL													
CALM		> <	$\geq <$	$\geq <$	$\supset \subset$	$\geq <$	$\geq$	$\geq$	$\supset <$	$\geq$			
	15.0	25.1	19.8	25.7	7.8	5.4	1.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 167

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL	SITE HI	SOUTH TOWER	78-79		NOV		
STATION		STATION NAME			YEARS	MONTH		
	ALL WEATHER							
	CLASS							
			COND	ITION				

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.2	2.5									4.9	5.6
NNE		•6	•6									1.2	7.0
NE		•6	1.2	1.2	1.2							4.3	11.4
ENE	.6	1.8	2.5	2.5	1.8	1.2						10.4	12.4
E		1.2	3.1	3.1	1.8	1.2						10.4	13.6
ESE	•6	1.8	• 6	6.7	1.8							11.7	11.8
SE	•6	1.2	1.2	1.8	1.8							6.7	11.1
SSE		1.8	1.8	• 6		•6		_				4.9	9.9
\$		1.2	• 6									1.8	6.3
SSW	1.2	2.5	• 6			• 6						4.9	7.0
SW		•6	1.2	.6	2.5	• 6	• 6					6.1	16.1
WSW	•6	.6	1.2	3.1		2.5						8.0	14.5
w	• 6	2.5	2.5	• 6								6.1	6.9
WNW	1.8	3.1	2.5									7.4	5.8
NW	1.8	4.9	1.2			I						8.0	4.8
NNW	.6	1.8	.6									3.1	4.8
VARAL													
CALM		$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$		
	9.8	27.6	23.9	20.2	11.0	6.7	.6					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 163

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COBO2	MAUI OPTICAL SITE HI SOUTH TOWER	75-79	NOV MONTH					
	ALL WEATHER							
	CL	ASS	HOURS (L.S.T.)					

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.4	1.2	1.2									4.8	4.8
NNE	•6	1.2	1.8	• 6								4.2	6.7
NE		• 6	3.6		• 6							4.8	9.4
ENE			4.2	3.6	3.0							10.7	12.6
ŧ		. 6	6.5	5.4	3.0	2.4	1.8					19.5	15.0
ESE		• 6	2.4	3.0	1.2							7.1	12.1
SE	• 6	• 6	• 6									1.8	4.7
SSE	•6	• 6		• 6_	.6	1.2						3.6	15.3
\$			• 6	1.2								1.8	12.7
SSW	• 6	1.2	1.8			• 6						4.2	8.7
W2	1.2	1.2	1.2	• 6	2.4	1.2						7.7	12.8
wsw	.6		1.8	3.0		1.2						6.5	13.5
W	1.8	3.0	• 6	1.2	1.2	• 6_						8.3	8.7
WNW	1.2	1.8	2.4									5.4	5.6
NW	1.2	1.2	1.2	.6								4.2	6.0
NNW	1.2	4.2						l				5.4	5.2
VARBL													
CALM	$\geq \leq$	$>\!\!<$	$\geq <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			
	11.9	17.9	29.8	19.6	11.9	7.1	1.8					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

2000 march

USAFETAC  $_{
m JM,~64}^{
m FORM}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL	SITE HI		TOWER	78-79	YEARS	NOV MONTH
		2100-2300					
	ALL WEATHER GLASS						HOURS (L.S.T.)
	CONDITION						

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.8	1.8	1.8									5.4	5.0
NNE		1.2	3.0									4.2	7.6
NE		2.4	1.8									4.2	6.7
ENE	• 6	1.8	1.8	5.4	1.2	•6						11.4	11.6
E		1.8	3.0	4.8	4.2	4.2						18.0	15.5
ESE		2.4	3.0	4.8	1.2							11.4	10.6
SE	•6		1.8	1.2								3.6	10.0
SSE		• 6										• 6	6.0
5	.6		• 6	•6						Ī _		1.8	8.3
SSW		2.4	2.4	1.8		1.?	.6					8.4	12.1
SW	1.8	1.2	1.2	.6	1.8	1.2						7.8	11.4
WSW	.6	1.8	• 6	2.4	• 6	1.2	•6					7.8	13.8
W	•6	2.4	2.4									5.4	6.2
WNW	1.8	1.2	•6									3.6	4.3
NW	1.2	• 6	1.8									3.6	5.3
NNW	1.8	•6	.6									3.0	3.8
VARBL													
CALM	$\geq \leq$	$\geq$	$\geq <$	$\times$	$\geq \leq$	$\ge$	$\ge$	$\geq$	$\geq$	$\geq$	$\geq \leq$		
	11.4	22.2	26.3	21.6	9.0	8.4	1.2					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 167

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	MAUI OPTICAL SITE HI SOUTH TOWER 78-79	NOV MONTH
	ALL WEATHER	ALL
	CLASS	HOURS (L.S.T.)
	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	1.5	1.5	• 5		. 1						5.1	6.5
NNE	• 6	1.2	1.5	• 3	•2							3.8	7.1
NE	• 5	1.1	1.4	1.6	• 8	• 2						5.4	10.5
ENE	.4	1.4	2.9	3.5	1.8	• 5				1		10.5	11.8
E	•2	1.7	3.8	4.8	2.1	1.4	. 4					14.3	13.3
ESE	.7	1.7	2.0	4.0	1.6	. 4						10.3	11.6
SE	. 5	.7	.9	1.7	•8	• 4	• 2					5.1	12.6
SSE	• 4	. 8	. 8	. 4	• 2	• 5	• 1					3.1	11.3
\$	• 2	•6	1.0	• 5	• 1	• 2	٤2					2.6	11.5
SSW	• 6	1.5	1.4	• 6	• 2	• 6	• 5					5.4	11.5
sw	.8	1.0	1.6	1.5	1.2	. 4	• 1					6.5	11.3
WSW	• 5	1.1	1.3	2.2	• 5	. 8	• 2					6.6	12.5
. W_	1.0	2.1	2.6	1.9	• 3	• 1						7.9	8.3
WNW	1.6	2.0	1.2	• 5	• 1	• 1						5.5	6.2
NW	1.0	2.1	. 9	.4								4.4	5.6
WMM	1.2	1.6	• 7	•1	•2							3.7	5.4
VARBL													
CALM		$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq$		$\geq$	$\geq$			
	11.3	21.9	25.3	24.4	10.0	5.5	1.6					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 1326

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TODD2 MAUI OPTICAL SITE HI SOUTH TOWER 77-79

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

CONDITION

DEC

MONTH

1000-0200

HOURS (L.E.T.)

	9.6	11.3	20.3	33.9	14.7	6,2	2.3	1.7				100.0	12.
CALM	$\geq <$	> <	> <	> <	> <	> <	> <	$\supset \subset$	><	$\supset <$			
VARBL													
NNW	1.7	1.7		1.7	• 6	• 6						6.2	9.
NW	1.1		•6	1.1	•6							3.4	9.
WNW	• 6	• 6	2.3	1.1	•6							5.1	9.
w	1.1	•6	• 6	2.3	• 6							5.1	9.
wsw	1.1	•6	1.1	5.1	1.7							9.6	11.
SW		• 6	2.8	1.7	1.1							6.2	11.
55W		2.3	• 6	• 6								3.4	7.
S		1.1	• 6	2.8								4.5	10.
SSE	•6	• 6	1.1	2.8								5.1	9.
SE	•6	•6		1.1								2.3	8.
ESE		•6	• 6	1.1	• 6							2.8	11.
E	• 6	• 6	2.3	2.8	1.1							7.3	10.
ENE	•6		5.1	3.4	3.4	1.1	.6	1.1				15.3	15.
NE	•6		1.7	2.8	2.8	3.4	1.7	•6				13.6	18.
NNE	•6	• 6	• 6	2.3	1.1	•6						5.6	12.
N	•6	1.1	•6	1.1	•6	• 6						4.5	10.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAI WINI SPEEI

TOTAL NUMBER OF OBSERVATIONS 177

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	17-79	DEC				
STATION	STATION NAME	YEARS	MONTH				
	ALL WEATHER						
	6	LASS	HOURS (L.S.T.)				
	COP	MOITION					

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	•6	1.7	•6	2.3			• 6				6.2	14.5
NNE			1.1	1.7	2.3	1.7						6.8	17.3
NE			1.7	4.5	1.1	2.3	1.7					11.4	17.7
ENE			4.D	4.0	2.8	1.1		• 6				12.5	15.1
E	•6	1.1	.6	2.8								5.1	9.7
ESE		2.3		2.3								4.5	8.9
SE	•6	2.8	•6	.6						Ţ		4.5	6.3
SSE		• 6		2.8								3.4	11.8
\$	1.1	1.1	•6	1.1								4.0	7.1
SSW	•6	1.1	1.1	1.7		• 6						5.1	9.7
SW	1.1	1.1	1.1	2.3	1.7	• 6						8.0	11.9
WSW		3.4	1.1	1.7	•6							6.8	8.8
w	1.7	1.1	1.7	.6								5.1	6.3
WNW			1.7	.6	.6							2.8	11.4
NW	1.1	2.3	1.7	2.3	1.1							8.5	9.3
NNW	1.7		1.1	1.1	•6			.6				5.1	12.0
VARBL													
CALM		$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$		
	9.1	17.6	19.9	30.7	13.1	6.2	1.7	1.7				100.0	11.9

USAFETAC  $_{
m JU,~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	77-79 YEARS	DEC MONTH					
	ALL WEATHER							
	CLASS							
CONDITION								

SPEED (KNTS) DIR.	1 • 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.2	1.7	•6	•6		• 6	• 6				5.2	15.0
NNE	1.2		• 6	4.6	2.9	1.2						10.4	14.3
NE		•6	1.7	2.9	1.2	3.5	•6					10.4	17.2
ENE			2.3	5.8	1.7	2.3	•6	•6				13.3	17.4
Ē	• 6	1.2	3.5	1.2								6.4	8.2
ESE	• 6	2.3	• 6	1.7	• 6							5.8	8.9
SE			2.3									2.3	8.3
SSE	• 6	1.2	• 6	• 6								2.9	6.8
S		1.2	1.2			• 6						2.9	9.8
25W	•6	2.9	2.9	2.3	2.3							11.0	10.5
sw	.6	1.7	2.3		1.2							5.8	9.2
wsw	• 6		1.2	1.7	.6	• 6	• 6					5.2	15.2
W	1.2		2.9	. 6	6				• 6			5 • 8	12.1
WNW			2.3	1.7								4.0	11.1
NW	•6			1.7	• 6							2.9	12.2
NNW		1.2	2.9	1.2		.6						5.8	9.8
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$		
	6.4	13.3	28.9	26.6	12.1	8.7	2.3	1.2	.6			100.0	12.6

TOTAL NUMBER OF OBSERVATIONS 173

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

0002	MAUI OPTICAL SITE HI SOUTH TOWER	77-79	DEC MONTH
	ALL WE	ATHER	0900-1100 HOURS (L.S.T.)
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 6	2.4	1.8	•6			1.2					5.5	11.1
NNE	• 6		1.8	2.4	3.5	•6	• 6					9.5	15.6
NE	1.2	2.4	1.2	4.7	1.8	.6						11.8	11.4
ENE	• 6	• 6	1.2	•6	1.2	3.0	1.8		•6			9.5	21.3
E		• 6	1.8				• 5					3.0	12.2
ESE			1.8	3.0	• 6							5.3	12.1
SE	• 6	2.4	1.8	•6								5.3	7.1
SSE	• 6	1.8	• 6	• 6								3.6	7.0
\$			• 6	.6	• 6	• 6						2.4	15.8
SSW	.6	2.4	2.4	3.0		• 6						8.9	9.5
sw	1.2	• 6	1.8		•6	• 6				T		4.7	9.8
WSW		3.0	2.4	1.2	1.2	1.2	• 6	.6				10.1	14.7
W	.6	1.8	• 6									3.0	5.2
WNW	1.2	1.8	1.2	. 6								4.7	5 . 8
NW		1.2	2.4	3.6	• 5							7.7	10.0
NNW		• 6	• 6	1.2	1.2		• 6					4.1	15.1
VARBL													
CALM	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$		
	7.7	21.3	23.7	22.5	11.2	7.1	5.3	.6	• 6			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

UDOD2	MAUI OPTICAL	SITE HI	SOUTH TOWER	77-79	YEARS	DEC
********						•
			ALL W	EATHER		1200-1400
				CLASS		HOURS (L S.T.)
					<del></del>	
			GE	NOITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	!1 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	1.2	2.4	1.8					í			6.0	8.8
NNE	1.2	1.2	• 6	3.0	1.2	•6	•6					8 . 4	13.6
NE	•6	1.2	• 6	4.8	3.0	3.0	• 6					13.8	16.7
ENE		.6	1.2	.6	1.2	1.8		.6	.6	.6		7.2	22.4
ŧ		1.2	1.2		1.2							3.6	10.7
ESE			•6	2.4	• 6							3.6	13.7
SE		•6		2.4						1		3.0	10.4
SSE			1.2					1		<u> </u>		1.2	7.0
\$	.6	3.6	•6	1.2	•6	.6						7.2	9.3
SSW	.6	• 6	2.4	1.8	1.2	•6						7.2	11.3
SW		•6	3.0	2.4	1.8	• 6						8.4	12.3
WSW	1.2		1.2	.6	2.4							5.4	12.2
w	. 6	2.4	• 6	.6								4.2	6.4
WNW		1.8	3.6	.6	•6							6.6	8.5
NW	3.0	1.8	2.4	1.2		1						8.4	6.2
NNW		2.4	1.2		•6	1.2		.6				6.0	13.8
VARBL													
CALM		$\times$	$\times$	> <		$\supset <$	$\supset$	$\supset <$	$\boxtimes$	$\supset <$	$\supset <$		
	8.4	19.2	22.8	23,4	14	8.4	1.2	1.2	.6	.6		100.0	12.2

total number	OF OBSERVATIONS	167

USAFETAC FORM 0-8-5 (OL-A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH	TOWER 77-	79	DEC
STATION	STATION NAME		YKARS	монтн
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 6	2.3	1.1	1.1								5.1	7.1
NNE	•6		2.9	.6	1.1	3.4		1.1				9.7	18.4
ΝE	•6	• 6	2.9	6.3	3.4	1.1	• 6					15.4	14.3
ENE	1.7	1.7	1.7	1.7		2.3	• 6	•6				10.3	14.3
ŧ	•6	• 6		• 6	• 6				• 6			2.9	17.0
ESE	•6	1.7		• 6	1.7	• 6						5.1	12.1
SE		• 6	1.1	•6	1.1							3.4	12.0
SSE		1.1	2.3		• 6							4.0	8.4
5			2.3	1.1	• 6							4.0	11.3
ssw		1.7	• 6	2.3	• 6	1.1						6.3	12.5
sw			• 6	1.7	2.3							4.6	15.5
W\$W	•6	• 6	1.7	3.4	• 6							6.9	10.6
w	1.1	1.7	2.9	2.3		.6						8.6	8.5
WNW	• 6	• 6	2.9	. 6		.6						5 • 1	9.8
NW		. 6	1.1	1.7								3.4	10.0
NNW		• 6	2.3	•6		1.1		.6				5.1	15.0
VARBL													
CALM	$\geq \leq$	$\times$	$\geq$	$\geq \leq$	$\geq$	$\times$	$\ge$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		
	6.9	14.3	26.3	25.1	12.6	10.9	1.1	2.3	.6			100.0	12.7

TOTAL NUMBER OF OBSERVATIONS 175

USAFETAC FORM 10-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	77-79 YEARS	DEC
	ALL WE	ATHER ASS	1800-2000 HOURS (L.S.T.)
	CONT	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	1. + 2!	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	•6	1.1	• 6	•6	•6						4.4	9.8
NNE	•6	2.2	3.3	2.8	3.3	3.3	•6					16.1	14,8
NE	•6	• 6	3.3	1.7	3.7	1.1	• 6	• 6				12.2	16.2
ENE				4.4	1.1	1.1		1.1				7.8	19.1
ŧ			• 6	1.7		• 6	• 6	•6				3.9	19.7
ESE		• 6		2.2	•6							3.3	12.8
SE	•6	1.1	• 6	• 6	•6							3.3	8.7
SSE			2.2	1.7								3.9	10.4
\$			2.2	2.8	1.7							6.7	12.3
ssw			• 6	1.1	1.7	1.1						4.4	16.9
sw	1.7											1.7	2.7
wsw			3 • 3	5.0	. 6							8.9	11.7
w	• 5	• 6	3.9	3.3								8.3	9.0
WNW	.6	1.1	1.7	1.1								4.4	7.5
NW	• 6	• 6	2.2	• 6	1.1	•6						5.6	10.5
NNW		• 6	1.1	1.7	• 6	1.1						5.0	13.8
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq \leq$		*	
	6.1	7.8	26.1	31.1	15.6	9.4	1.7	2.2				100.0	13.2

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HE SOUTH	TOWER	77-79		DEC
STATION	STATION NAME			YEARS	MONTH
ALL WEATHER					
		CLA	88		HOURS (L.S.T )
	**************************************	CONDI	71011		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 5		1.6	1.6	• 5	• 5						4.8	12.0
NNE	• 5		1.1	2.2	1.6		1.6					7.0	16.9
NE	1.1	2.7		5.4	3.2	3.8	• 5	1.1	1.1			18.8	18.0
ENE		• 5	1.6	2.7	• 5	• 5	• 5	1.6				8.1	18.9
ŧ			1.6	3.2	1.1	• 5			• 5			7.0	16.2
ESE			2.2	• 5	1.6							4.3	12.0
SE			1.1	• 5								1.6	11.3
SSE		• 5	• 5									1.1	7.0
5			1.1	3.8	1.1							5.9	12.0
SSW		1.1	1.1		1.6							3.8	11.3
SW	• 5		2.2	2.2	• 5							5.4	10.1
WSW		• 5	2.7	2.7	• 5							6.5	11.3
w	• 5	1.6	3.2	3.2	• 5							9.1	9.5
WNW	2.2	1.6	1.1	1.1								5.9	6.4
NW	• 5	د.	1.1	1.1								3.2	8.7
MMW	1.1		1.6	2.2	• 5	1.6	• 5					7.5	14.2
VARBL													
CALM	$\geq$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$		
	7.0	9. 1	23.7	32.3	13.4	7.0	3.2	2.7	1.6			100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00002	MAUI OPTICAL SITE HI SOUTH TOWER	77-79	DEC
STATION	SYATION NAME	YEARS	MONTH
	ALL W	EATHER	ALL
		CLA58	HOURS (L S.T.)
	CO	NOITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.6	1.1	1.5	1.0	.6	. 2	•2	•1				5.3	11.2
NNE	•6	• 5	1.5	2.4	2.1	1.4	• 4	• 1				9.2	15.5
NE	.6	1.0	1.6	4.1	2.6	2.4	• 8	• 3	• 1			13.5	16.4
ENE	.4	. 4	2.1	2.9	1.5	1.6	• 5	• 8	•1	•1		10.5	17.5
E	• 3	• 6	1.4	1.6	• 5	• 1	• 1	•1	• 1			4.9	12.6
ESE	•1	• 9	•7	1.7	• 8	•1						4.3	11.3
SE	• 3	1.0	• 9	.8	• 2							3.2	8 • 6
SSE	• 2	• 7	1.1	1.1	.1							3.1	9.0
\$	• 2	• 9	1.1	1.7	• 6	• 2						4.7	10.8
SSW	• 3	1.5	1.4	1.6	.9	• 5						6.2	11.0
sw	•6	•6	1.7	1.3	1.1	• 2						5.6	11.2
wsw	• 4	1.0	1.9	2.7	1.0	• 2	• 1	• 1				7.4	12.0
w	•9	1.2	2.1	1.6	• 2	•1			• 1			6.2	8.7
WNW	•6	• 9	2.1	• 9	• 2	• 1						4.8	8 • 6
NW	.9	• 9	1.4	1.6	• 5	•1						5.3	9.2
NNW	•6	•9	1.4	1.2	• 5	• 8	.1	•2				5.6	12.5
VARBL													
CALM		$\geq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\ge $	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$		
	7.6	14.1	23.9	28.3	13.4	8.0	2.4	1.7	• 5	•1		100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 1403

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  ( 9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CODO2	MAUI OPTICAL SITE HI SOUTH TOWER	77-80 YEARS	ALL MONTH
\$1,X,1.0,K	THE TOTAL NAME	TECHT	MONIN
	ALL WE	ATHER	ALL
	CI	LASS	HOURS (L.S.T.)
	<i>p</i>		
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.2	1.5	1.1	• 5	• 2	•1	.0				5.0	10.1
NNE	• 4	1.3	2.1	2.4	•8	. 4	• 1	•0				7.5	11.2
NE	• 5	1.3	2.4	2.8	1.2	• 5	• 1	.0	•0			8.7	11.7
ENE	• 4	1.4	2.8	3.4	1.3	• 5	• 1	• 1	.0	•0		10.1	12.0
ŧ	• 4	1.3	2.2	2.3	1.0	• 5	• 1	•0	.0			7.8	11.7
ESE	. 4	1.2	1.9	2.0	•6	• 2	•0	.0				6.4	10.5
SE	• 5	1.5	2.4	2.4	•8	. 4	• 1	•0				8.1	10.9
SSE	. 4	1.0	1.5	1.9	1.1	. 7	• 3	• 1		•0	• 0	7.0	13.4
S	_ • 5	1.2	1.4	1.5	.8	. 4	• 1	•0				5.9	11.3
SSW	.7	1.2	1.1	1.2	• 5	• 4	1	•0				5.1	10.6
sw	• 8	1.1	1.1	1.1	• 6	• 3	• 1	• 1	.0			5.1	10.9
wsw	• 7	• 9	• 9	1.0	• 5	• 3	• 1	• 0	•0			4.4	10.8
w	• 9	1.1	1.0	• 9	. 5	. 3	• 1	•0	.0			4.8	9.9
WNW	• 8	1.2	1.0	• 6	• 3	• 2	.0	• 0				4.1	8.4
NW	.7	1.3	1.1	1.0	• 5	• 1	•0	•0				4.8	9.3
NNW	_ •6	1.1	1.3	1.1	•6	• 3	• 1	•0				5.0	10.4
VARBL													
CALM		$\times$	$\times$	$\times$	$\times$	$\times$	> <	$\times$	$\geq$	$\boxtimes$	><		
	9.1	19.3	25.7	26.8	11.5	5.5	1.6	, 5	.1	•0	•0	100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

16589

# DATE

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18 SUPPLEMENTARY NOTES		
*RUSSWO Daily temperate Snowfall Extreme snow de Climatology Sea-level press Surface Winds Extreme tempera Relative Humidity *Climatological	epth Extr sure Psyc sture Ceil	spheric pressure eme surface winds brometeric summary ing versus visibility (over)
This report is a six-part statisition of the statistic portland IAP, Portland, Oregon It contains the following parts: (A) (B) Precipitation, Snowfall and Snow (C) Surface winds; (D) Ceiling versus Summaries (daily maximum and minimum temperatures, psychrometric summary dry-bulb temperature, means and star	) Weather Condit w Depth (daily a us Visibility; S n temperatures, of wet-bulb tem	ions; Atmospheric Phenomena; mounts and extreme values); ky Cover; (E) Psybrometric extreme maximum and minimum perature depression versus

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- 19. Percentage frenquency of distribution tables
  Dry-bulb temperature versus wet-bulb temperature
  Cumulative percentage frequency of distribution tables
- 20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.